

working at the Dispensary, in  
which I hear late up Rubizco.

Babb has such a charming  
collection of Illinois plants.

I hope to take my vacation  
early this year & go to America  
with Huxley the first week in  
July for a month & to get all  
the great autumn flora work  
done. When I shall have little  
to do in the gardens. - & before the  
A.S. will claim my time. There  
is much to be done there is the way  
of reform in business procedures,  
etc. & the new apartment will  
again a good deal of consideration  
in the matter of the Library etc.  
We are all well & in state gen-  
eral perfect. B. Hooker.

June 12/73.

Dear Old Gray

Thanks for your note &  
the plants coming to Huxley of which  
I have told thee. Apology, I  
had nothing whatever to do with  
the application for a Review of  
the Plant - I merely have told  
you if I had. Certes I am glad  
& it is so, it appears you have  
not a good word to say for the  
unhappy Rubizco! (but now  
it was sent to Dr. for correction  
of press.) - Well, whatever may  
be said for the general work, I did  
think I had corrected more  
blunders, & had <sup>taken</sup> more <sup>out</sup> errors ~~out~~

their wrong places & put them  
into their (<sup>approximate</sup>) right ones, than  
it has fallen to most  
Veterans to do in a single order  
of any size in late years - However  
no one is a judge of his own  
performance, & I dare say I exaggerate  
the difficulty of the task, though I  
cannot well overrate the years I  
spent in depicting & reduplicating  
what are really little better than  
bits of coal & - what the involves  
of - I shall reserve my defense  
(if I can defend myself) till the  
article appears.

We have just returned from  
a little tour in the left bank of  
the Rhine, the Lefel country; which  
we (wife & I) went up Lubbecke &

Mr & Mrs Gantz - Duff (Under-Sig for  
India) - we were out 10 days,  
away, & saw Luxembourg & Nevers  
for the first time.

I have written to Longman to  
send me a copy of Sensation & Mavubu.

I am getting in with Black & White of  
British India, but the <sup>is done</sup> paper they  
way in which Martens worked has  
thrown me out terribly & given  
Dyer & me a deal of very  
unpleasant work - Holzwarths  
break down is disastrous. no  
less than Thomson.

Pentham is at Mimore for  
Martens' work. A pleasant  
young man of the name of  
Michaeli of Geneva is here &

Wife & boy at Eartham -

I & wife alone near Pareeette  
village - Gloucestershire.

A few hours through a splendid  
Roth course to the Welsh trunks  
at S. Kempton. An hour's lecture

"The mossy is followed by  
dark students spending 6 hours  
with plants, fern, etc., rocks,  
pencil, color box, microscope  
& depicting its curiosities,<sup>no books</sup> in the  
subject of the lecture. & in  
6 weeks they have seen Sphag.  
& Selagia, pollen-tubes, micro-  
sco., Fern Simpsonia, & Dicroid.,  
Marsilea, & the others. Chrys.,  
Pteridium, - besides general  
morphology, & anatomy the  
Mosses. Much is contained  
in the greatest move i. Botany  
nothing even is despatched

Aug 8/75.

Dear Gray

I have just returned  
from a very pleasant trip into  
the Gloucester, Cirencester, Moret-  
ton & Ardeche county, with-  
Henry, who I left at Baden  
Baden last week very much  
improved in health - he is  
a capital companion & we  
were as jolly as Midas at  
the cruise. We idle though  
we did not a bit at the  
wonderful geology.

Prop (report is here under  
S. W. Thunman, he has

just sent me some extra  
books - Phoebe is at Jersey.  
- Benman has worked at  
Minories for Mrs. Mayle &  
My bronchitis was no great  
attack, but at my age! The  
crayfisher became a brother,  
I took it off a w<sup>h</sup> little town  
in the leper with Lubbock &  
Grand stuff - but I shall catch  
it again next spring without  
a doubt.

Thank a thousand my dear  
friend a yr congratulation on  
N. A. S. I shall do my duty  
with my might - but I do feel

gravely opposed with the  
market. Thank God resp such  
lions return on approach with  
me. How glad I am that  
you have Salvator's paper. -  
We have just had the Pastry  
as a gift, the finest. British  
Chestnut & Lanc.

I have seen Carruthers' answer  
to Mr. Bill a chapter. He really  
should be ashamed of himself.  
having positively no defence; &  
his pretensions of having docu-  
ments to prove it is absolutely  
false. I fear he is a bad fellow.  
I am very sorry about it -  
No such bad thing for  
Natal.

I wish you repeat for James  
& Robt.

Aug 8, 1873

To Mr. different orders to  
Barker help i communication  
you will see as soon as we  
to Mr. Gibbons

You are very kind & good to  
have noticed Dr. & Maack's  
naming of Natia & Siliqua.  
I can't for the life of me  
remember when I got the  
name of Sarracenia rubra  
(alias purpurea)

Baker has sent also the  
order of Spicilegum that he  
has so well known & send.

I hope that the Friends

Young Rep. will please  
you.

I am going to make a  
long Journey this autumn,  
will be glad of any  
of your few words however  
since I particularly want  
American <sup>rocks</sup> Specimens of  
the European species.

I do not now see  
Botanical Papers ~~any~~ an  
coming out to torment  
us - it is really too bad.

I am heartily glad to hear  
of Sullivans' supplement.  
Hesley writes : good health  
& spirits for Switzerland.  
The J. Keenlyside Museum  
is still held under Mr.  
B. W. Foster !!. Hesley  
has Gladstoneia <sup>lost</sup> lost is  
simply mad. & I  
suspect that he has  
a very narrow escape  
indeed.

Very aff  
J. Foster

work up & have my pick.  
Above through Mrs. Barker  
we see at Woodbury &  
La Crosse with the children

I have just received a  
superb set of Yellowstone river  
photographs from Mr. Hayden.  
The hope I may get them  
next year.

Thanks for yours of Aug 2<sup>d</sup>.  
The hydrates seed, I  
shall be most glad of  
the plants. Our herbaceous  
ground is improving fast.  
I have been much work  
to get proper soil adjusted

Amur

Aug 27/95

### Sea Gray

We have with a  
fragment of Gaglathraea  
harkense - - Herb. New &  
Benth. & gray - can you send  
me some in a letter? also  
or rather: the Herb. is  
Vitis idaea, sure & certain.  
I am growing purpled  
with Jasminum: I can't  
tell Cystothecapus with  
bryoceras - which is a  
small natural little group  
(of 2') - and am not a

little suspicion of Costopanic  
though I have assumed many  
in the species & found the  
fruit character to hold.  
Still I find Vauquel thinks  
about four thickened walls  
or the divided seed cells  
& the number of ovules in the  
cells or a sharp distinction -  
However I am content  
to let well alone them.

The angelic Miss Sullivan  
has not come yet - I  
shan't be very glad to see  
the white hair - You

must have written & given  
me letters of introduction  
- it is getting a sort of sight  
of you dear self.

I am very busy, Dyer the  
heaviest rain having descended  
on all my Dyerest seed -  
i.e. the whole time I was  
at France he was slaving  
at S. K. Laboratories & not  
able even to open my letters  
& on my return he was  
knocked up & had to  
take his holiday by a  
visiting at the Volunteer  
Camp at Dartmouth, so  
I had dinner & ate to

We are practicing at Dartmouth.  
Your actual election on F.M.  
will commence the November.

Very affec

J. P. Hooker

Manahan is going to America  
to investigate Physiognomy etc.  
I have advised him to  
make straight for you.  
Weld is in Switzerland.

AUG 27, 1873

All serene at New Haven, but we  
are always striving for  
better election. - Nation I am  
just upon that spot where  
John is the present minister.  
Chapman. That wonderful man  
Wadsworth called me to breakfast  
yesterday. There were only 4 of  
us & for 2 hours he talked us  
through with most fascinating manner  
& conversation on the manners  
of subjects except politics!  
& then before it was over he had  
announced that he had  
invented this wretched  
jiggle of ministerial changes.  
This appeared in the <sup>newspaper</sup> ~~newspaper~~  
~~that same day~~ in ~~the~~ <sup>newspaper</sup> ~~newspaper~~  
~~that day~~ he dined with the  
Medical Association, & I am  
totally fascinated them! Much  
as I reprobate his administration  
politically I cannot but regard him

a a marvellous man, so  
simple, modest, kindly  
& ardent. & above all  
in forgiving - for my name  
should be poison to him.  
I do suppose that these charges  
are the beginning of the end, & a  
preparation for retribution:  
he did say to us frequently how  
much he longed for complete  
rest. It was a pretty little  
breakfast, in the corner of the  
drawing-room at a little  
round table (with Palgrave,  
Richmond, Mass. & myself)  
which I shall never forget, which  
in its infinite wisdom or the greatest  
as associated with the greatest.  
Shuffling of cards: Shivering  
a cabinet that I placed has  
perhaps been seen - Only fancy  
y. holding the chair beneath it

The P. D. i. himself, & fancy  
giving down the Home Office  
& home taking it!!! - Bring's  
back Bright, who all the world  
knows is used up for business.  
I saw my sister Louisa  
yesterday i took a run away  
to (Mylor St) Longwy - i  
had at W. J. Weller Hotel  
the hotel was better all the  
winter, but bad after's  
spring.

I am scribbling on at a pile  
of letters & official documents  
which increase on my hands.  
& therefore rather I cannot  
trust in having confidence  
on the part of first & last.  
I am off to my holidays  
in Sarjeant's H. to his Ringers

Sept 17<sup>th</sup> 3.

Dear Gray

I am puzzled by your  
Pleurocerepore - We have  
but one specimen (Plant.  
begin 357 John Hale). which  
differs from your character in  
Non Amer. and in

Filaments pilose

anthers lobosa, 1-lobules,  
magree.

ovarium apice obtusum, hispi-  
dulum, 4-lobules

Flower capitate.

It resembles Remnitomes as  
figured in Newberry very  
much - except in the shape of

The author in the Arthropodorum,  
says, the placenta, &  
the sepals & petals, which  
latter <sup>letter</sup> <sup>Agree with</sup>  
<sup>description</sup> Pleuro <sup>is here</sup> <sup>a except that</sup>  
the flowers are sometimes  
3-merous & the sepals <sup>base</sup> <sup>succumb at</sup>

I send a flower for  
confirmation. I find an  
oblique dull, & a very  
few one in Allotropes

I have neither Schweinitzia  
nor Newberrya - may send  
the scrap. as soon as  
convenient.

We have no Marpessa  
<sup>in coll. Blanche</sup>  
Schneid., but a ticket you  
sent to replace "substitute  
for 4997" by you.

An early answer will  
help. Yours truly

J. W. Hooker.

*Agauria*. Placenta basilar, seeds  
filiform white (opposite)  
+ *Agauria*, Placenta median i  
base of rimea angle of cell  
= seeds filiform. (Majil)  
lanceolata (Lophobium)

Species  
Capitula  
Capitulae  
Calyculatus.

These to be named may acceptable  
species -

Thanks for your of Sept 5 just  
received.

Proprietary should be known  
to me - I forgot who introduced  
him - but he has been often  
here & last week gave him  
a huge lot (120) of remnant  
for himself & another very  
Rhododendron for suspect.

Another not found  
published here have

How do you find that  
for dendrum cap is velvete?   
in fact it is as minute & undifferentiated  
that it may appear as thin skin. The  
segments are ~~intercrossed~~ separate  
Hamelia (as in may the Dendromedece)  
I find 2 bracts, with the act.  
Lindernia oreocarpis has a good  
petiole in Catubose & leaves  
sometimes acuminate, very  
& what do you make of Japendron  
angustifolium, Des. Sc. VII, 610.  
is it 2 mm? Chapman  
makes it c. 12. of leaf of 35.  
shrub of cotyledon in Herb.  
Woolk. I find none like it.  
Our only specimen is cult. for  
Hub. Cap.  
In fact with fruits of Japendron

Sept 16/49.

I do not find that it marks about  
 the 5-ovuled outer & 10-valved  
~~inner~~<sup>inner</sup> layer of the valves. -- As  
 they begin, they break off ~~the~~<sup>valves</sup>  
 of course. Longitudinally &  
 transversely. certainly so.  
 The seeds are 2-seriate, not  
 common character amongst Andrenaceae  
 The seeds are very various, with a  
 large number of teeth on one  
 side, covering half the seed as  
 Gorham figures it.



I wish you would send me  
 a specimen of leaf & flower of  
A. Marianae. my specimens,  
 if right, have subcapitellate

corolla (like species) &  
 no hair of horns at apex &  
 of filament or back of  
 anthers. which characters  
 do not agree with yours & Pieris.  
 It is a very <sup>looking</sup> different <sub>to</sub> yours  
 from all mine.

I must either turn the  
~~two~~<sup>two</sup> species  
 the Andrenaceae into one  
 genus, or make many. -- X  
 Bentham approves of my Kubria  
Pieris, Annales Japon. Botan.  
Zenobia - Cov. capitate &  
 4 anthers anthers (1st)  
Oxydendrum anthers with ribs (1st)  
Lemnophloe - membranous capsule  
 N. am.  
Isonia Placenta at 1/3 of the  
 rest before, pendulous.  
 Corolla valves with very thick  
 edges.

I am introducing to you my friends  
Mr & Mrs Rothery, who  
you are all  
know - a most uncommonly  
nice fellow, was in Cremona or  
I forget what, collecting there & is  
fond of plants. Lawrence Smith  
wrote & sent you letter last  
week, I invited him & wife to  
such Rothery at dinner, but  
he is broke & could not come.  
He is off somewhere & says that  
he will not be leaving England.

I am so glad to hear of the  
Robins & Ft. N. am going on.

As soon as Baker returns I  
shall send to you plants.

We are off to Bradford tomorrow  
for the Association - 180  
~~with~~ greenwood Grade & a  
\* and crop. I am quite sick of

These things - & shall have  
enough of it with A.S. - to pack  
them enough here! We have  
already 100,000 visitors more  
than last year! Now I wish  
I could show you the improvement -  
in the Nicest place unoccupied &  
scorning of the Most Noisy part  
of the Garden.

We are all well.

Very affec  
W. W. Wood

I am much obliged for the  
Adonis seeds & the  
visitors.

Brice's son.

Dear Mr.

W. Walker

Feb 21/73.

Deary

I have to thank  
you for two letters &  
the孟加拉  
notes - but have no  
time to answer at  
this moment - I am  
working hard to get  
out a part of Plan of

Rich. Muller which has  
been altogether stopped by  
new paper. So that I have  
had to do most of the  
rest myself.

Thomas' last was great.  
All Andrews work I  
had to redo because  
of his death. Poor  
Elphantus is a n bad  
fellow now he combats

and he can work is concerned,  
that I used to do. Other  
which area again -

Master was dreadfully  
cruel, that day & I  
had to run it with

Hittain who was  
from some part, so as  
to Rich. Muller & could  
help me with his  
part. Whether it has  
been an awful separation.  
I have just done &  
then make later wh

analyze it better.

Thomson's illness, Andrew's  
death, self-worth's failure of  
powers, have borne heavily  
upon me. Paul ~~the~~ is however  
fully converted & ill. fa.  
advanced. Sarah has  
at twice again & finished  
off the manuscript -

How glad we do upate  
you respecting our flora of  
Andrewsia, early of which  
has many species, & also  
your monotypic Minotepes.  
After all each group must  
be a law unto itself in  
the long run. I must make  
you another sketch of

Nov. 2 1873.

Dear Gray,

I have little news, being  
very busy over business, amongst  
which the new arrangement  
of Lincoln & Rose have  
occupied a good deal of  
time. Our new apartment  
are very fine indeed. I  
yesterday left off the other day  
in grand style. & to a large  
meeting:- but though  
out of debt & with a couple  
of thousands funded our  
want never, & money for

more rapid publication is  
the point. Our publications  
last us & go to ammu-  
nitionary private hands -  
a very large sum of so much  
to Society - by travel -  
begins at the 1<sup>st</sup>. Whatever I  
may know we shall be well  
rid of Sir, who has been  
very stingy but a considerate  
President, & whose conduct as  
Chairman at meetings has  
been simply atrocious in a  
burned point of view -  
He has never shown a spark  
of feeling towards the Society

Meeting or individual.  
I have asked P. about you  
take a Sympathetic &  
what was read very also  
Vellees.

I have not recommended  
any Gen. Month. & Vacancies.  
It having had & spent  
a enormous deal of time  
on Males, up to the  
Columbian order which  
an abundantly complete, gone  
& to ~~undo~~ <sup>undo</sup> all Cognos. from  
beginning & end. &  
revert them - & to do  
impossible again no  
indeed - 120 species -  
- probably more. Could I

undoubtedly fall in with  
my more standard  
Extra-American ones. - or  
she must go into my fresh  
leaves. & I must accept  
your judgment as to  
the specifically N. American  
group of Monotropie.

You are not too late  
about Aquilegia chrysanthemum  
Please send me data as you  
publish it - thanks.

Thanks for Pennsylvania &  
Romney. What a fine  
thing the latter is. Also  
for Pleurospadix. Also for  
Griselinia & roots & seeds: all  
in splendid order.

You say "nothing like Laporta  
angustifolia known in N. Am."  
- but see Parish I. 291.

I send you by Post a  
packet of Trinidad seeds  
intended for Hillstrand  
of whose whereabouts I  
know nothing - will you  
send or sow them - I  
do not care which.

Yours affly -

W. B. Hooker.

D. Dr. Mr. Linne over here

& much else, she is no  
better at all. We had Dr.  
Burrus to see her who  
can find nothing organic  
abn. She seems now  
to suffer from depression  
of spirits. -

Jan 15775.

Dr Gray

Peter Newberry,  
Pleurocapra & Schrenck's  
I had registered - I have  
returned to keep 2 names  
of each - We had none  
of the : the Huber : nor  
a Schr. : Herb. Gary !

The Apple cart is arrived  
- Leyland - 1000ft. Mts.  
You will rejoice to hear  
that I have a new Mesobryaxis  
in Kharia, near Pleurococcus!  
Mouthy axis I hope! -

No time to write  
in paper

J. B. Webster.

I have forwarded one  
of the Schenckia  
specimens you sent.  
The Schizopanis  
which were most  
numerous

2. Flr. Nat. Hist. which  
Laurie has done, but so  
unhelpful that the sheets  
etc. in may have of work.  
Added to my misery the  
up of Feb. May. of this  
month has gone astray &  
I am desolate.

I hope will you do w<sup>t</sup> the  
Brook Academy - I have long  
had to let the smallest  
intrests i those big are lost in  
certainly priority with other  
Adl's name amongst the  
missates. - Van Hass omitted  
& I am not even corresponded w<sup>t</sup>

in traps W. W. H.

Subulated to you  
as wanted by  
Jacobs

See Gray

Can you get me  
Museum Specimen of the  
Apozynum canabinum fibre  
together with any articles  
made from it?

May transfer to you  
two Florida orchids which  
are quite new to us; I am  
desperate to get them - they  
arrived in poor state

We have Scarlet fever  
in the house which is a bore.

Jan 30/74

our young; grass, has  
it slight.

I have no new - I am  
working away at Samanea  
& Nepenthes &c. I do  
not find the ~~young~~ <sup>new</sup> ~~seedling~~  
a ~~the~~ way you expect  
your specimens of flame  
in any case, but I find  
it on the ~~new~~ <sup>old</sup> stem & on  
the under-surface of the  
leaf. I have made out  
the seedling gland -

Samanea & Darrietaria.

They are most minute -

Cephalodes is the main  
mass of the W. D. are  
infused with it.

Nepenthes increases its  
size then caught a ~~the~~  
tasting food, & the  
subsequent change in the  
cells of the glands is  
most remarkable. I believe  
that the glands both  
secrete the fluid &  
absorb the nutrient.

I am now at Chastinaea

Feb Mr 25 / 74

Dear Gray

I find several things unanswered in your last letter to me.

Missionaries Petersen arrived in perfect order & is I think quite safe - I am writing to Dr Peters to thank him.

Yes Trudell is noisy. His address is not good, though I should have prepared it's coming unofficially for him. Unluckily it leads nowhere. but that is the fault of the subject. It is no use straining our eyes into the dark; - but then we can't help doing it, !.

Wynans loss is deeply felt here. Coverings address is awfully hard, but seem to me first rate. I can't follow half of its way can Darwin.

We like very much what we  
see of young Jackson. He speaks the  
best part of a dog here. We wish the  
best of you many friends that  
my wife saw.

We have Siekinia seeds. It is  
the older India or Abyssinian  
cucumber, a some such name.  
Perkins (I think) once wrote on  
its Germination. - Glad. Chas.

Borlony Price is no favorite at  
all - a great rattler - never of  
course. The other old Pupi (Bartlett)  
Price is charming, & has ten times  
the others solidity & sure and  
taste too.

I am writing to Saenger. I fear  
he thinks us poor (but not bad)  
correspondents - but really our  
correspondence above the world  
is plenty of all sorts & is less  
& that for government imitation  
colonies &c, so wrong, that the

private contributions are <sup>too</sup> often left in  
the hands. I think he took a fair  
lot of marks away with him. &  
the box of seeds we sent him  
the other day was worth - I am afraid to say  
how much at trade price -  
He does not complain of us. I am  
glad to think, & is very prompt  
& pleasant in correspondence indeed.

This offer you

J.W. Johnson

How is your Tuckerman Peters  
doing?

Kew Juy 26/95.

My dear Gray

Thanks for yours of July  
5<sup>th</sup>. I shall be very glad to see  
young Jackson again. Will  
send you some choice  
stone things by train.

Maudlin seemed wonderfully  
well, but still suffers.

Widelye was at work on H.  
Andean Dugesias whose name  
is begin.

In Sereno Watson you have  
xxxiii. for XXXIV. quoted under  
Mertensia - a very minute  
blunder that cork. Baker & me  
a world of trouble. Also lower  
down Corolla 3-4" instead of

somethin' else. I am figuring  
M. Alpine a pretty thing.

I am getting rid of a lot of  
books, & "setting up" a little  
"raise the wind" - Do you  
suppose any Nelson Library would  
give £20 for a complete copy  
of "A History of the  
Influence of the  
Government of the United States  
on the Slaveholding States" from  
the time of its publication to about 1863  
I have semi-good Bob. works  
in a copy of which needed for  
my <sup>working</sup> library here which  
I keep up well. Shall I send  
you a list of them? -

Harriet & the children are gone  
to Nauvoo for 6 or 8 weeks & I am  
alone here. Willy is with the volunteers  
at Alabamet. Charlie fishing in Yorkville  
he has helped Prof. Smith train. ab. L. H.

Aug 24. Jackson started last  
week & took his plant  
which will I hope be acceptable.

I go for a week tomorrow to  
my friend Hodgson in Gloucester  
to avoid the heat. Apr.

Thanks to you of Aug 27<sup>th</sup>  
I am deeply concerned to hear of  
the family failures.

Health

J. W. Wooster

Wooster is making an excellent  
medallion of Sam Stanbury

April 12/76

Dear Gray

I am writing away  
at Amaranteave, & am  
surrounded with  
Anride & Montelia

I find nothing with  
dimensions just agreeing  
to fit your Montelia.  
Will you kindly name

Dear Friend.

I have seen  
Prof. Quincy, - at my  
Joiner - but have  
lost sight of him again.

Very affec

J. W. Walker

I fear that much  
such amblogyn is  
Amœcathium as has  
Benthian, & probably  
Mengea will follow.

Soon wanted.

I go to Bragaon tomorrow  
till Monday. - Then 2-  
military with Stanley  
for fortnight. I work  
well by bad.

In affec  
W. W. Hopper.

How do we stand a year  
Hab. Gay, I receive all  
proceeds of the duplicates  
for expenses of publications -  
shares beyond Combie or  
Malaca (Mangaji) ducres,  
- This is a private matter  
altogether

Morotai as  
life is works  
you reading. <sup>arrived May 18,</sup>  
<sup>April 27, 1776</sup>

See you

I write i back 2-  
say that you share 2  
I. Stuart will be here

over at once. You may  
read my letter <sup>to Miss Taylor</sup>  
(his son's step daughter)  
opened the black book in

New - finding that it  
contained books of duplicates  
I advised her to let us  
divide it, keeping a  
complete set for New &  
the sending the rest elsewhere  
especially to America. In this

Send me a little of thanks  
to forward to May 7

What can I expect. So please  
A map now goes over & you  
would consider be ticketed  
Hab. of St. Louis ~~for New Haven~~  
~~presented by ~~the~~ New Haven~~  
& which we must ask you  
to select from & either send  
them or the duplicates (or send  
between Bolander, ~~etc.~~,  
~~and~~ ~~presented by~~  
Prinzipal of Vermont, & the  
rest, or any other ~~more~~ deserving  
parties -- wholly according to  
your judgment. In your  
case you might charge the  
suspects with the  
expenses of selection &c.

Please send me specimens  
of Amaranthus pusillus,  
with "272 New Orleans  
Document"

I put aside for you 1000  
copy's cut and print of  
Lemnium acuminata.

Please send L. Davice  
a return.

A million thanks to  
you kind notice of  
Prinzipal & co. especially  
by one of which shall  
be attended to --  
about 15,000 copies  
are sold! so I hope a  
new edition with the

I returned for a week's time i  
Wittenberg last Saturday, had a ride  
repaired in a beastly boat & arrived  
at Altenbergen at 6 o'clock in time to  
help for a "Banquet" & the represe-  
-ntatives of science" at Mr. Mannin  
House, where we were half sick &  
readily I had to go through a  
long dinner & make a long speech  
to my host & guests. I have  
taken cold & bronchitis therefore.  
Feel very good for nothing. I do  
hate these banquets, which are  
simply tremendous displays of luxury  
& spirit of <sup>superfluous</sup> ~~riches~~ & <sup>ostentatious</sup>  
ostentation. I took Harriet who was  
seated 5th from me in the  
last row in right-hand.

No more at present from  
your afflatus

P. P. Walker

Remain wonderfully well.

May 16, '75.

Dear Gray,

Many thanks for your letters  
& information about *Acanthocinus*. which  
still puzzles me - I have nowhere  
found in Her. any specimen of  
*A. tannairine* & of the numbers  
A. tannairine. you speak of Wright Lindheimer &  
Fowler the one one I find is  
Benthamus Her. by Wright  
582 & part which is Arctosyagrus  
uncinata. Of course the ex parte  
shows that the rest must be  
seen here I must have a  
print. Meanwhile I have  
examined the maps you kindly  
send of Ind. 737. & do not find  
the White lozenge circumscribed, but  
irregularly numbered, with here  
& there a tendency to transversif. I

find the same species & what  
I sent you as A makes  
an induced A<sup>2</sup> from I think  
what except in leaf removed  
parts seems the same as A.  
This <sup>A<sup>2</sup></sup> came from I think mixed  
with texutes viridis No. 311  
(Lam.) (St. Louis)

(as A<sup>3</sup>)  
I also send 240 Texas drums  
which I suppose is B of A<sup>2</sup> & if  
so = tuberculatus - it has flower-  
nodes sometimes  $\frac{1}{2}$  in. diam.

You ask of I have Chapman's  
Annual from Florida & which  
it looks in general way  
like the B - can it be a  
Chenopodi? which should  
touch Florida.

I have no W. Indus Annuals

but the very young single  
specimen from Yucatan  
with very long leaves like  
A. cannabinus.

With that I could keep an  
Amarantus, but an Eriogonum  
of the Australian berardianum  
species see 2-Johns Beulah  
in grasping it; an indeed  
the S. American species -  
The Amaranthoid Amaranthaceae  
are a bad lot. Acrida is as  
much a good genus, but a  
puzzler.

I shall put them beasts by till  
I hear from you again & go on with  
other Amaranthaceae - I do hope  
that you will get good specimens  
of all for mine are wholly  
insufficient.

June 27/6.  
"

My dear Gray

I have yours of May 8<sup>th</sup> &  
19<sup>th</sup> to acknowledge. A. big  
box has just gone down with  
the J.S. Miles collection - I hear  
will be other things soon I  
believe so.

Meanwhile thank you much  
for Amaranthus Powellii. I am  
puzzled what do with it - its  
habit is so unlike that of  
Anthrile, that I should be  
disposed to put it into that  
genus despite the delusion of  
the author, which is a very  
variable character in several

Amaranthus.

Many Master & A. Purwises / Sunday  
we had it out. I send  
herewith the plant I thought  
might possibly be it - what  
do you make of it - ?

I have no desire to raise  
the price of Gari's plants. though  
of course the more you take  
the better!

I am delighted to hear that  
I have tickled the old fader  
to some purpose!  
Your kind report shall go  
to Hurley. No more at present  
for you off B. Walker.

when the R.S. Officers agreed  
with me that the work was  
vastly increased beyond that of  
my previous year.

I suppose that this will  
find a smelther amongst  
the mountaineers, where I  
would like to see it in  
the deer box.

affy Jr

J.W. Hooker

July 10<sup>th</sup> 1876.

See page

I cannot ascertain what  
downy plant 272 of N. bleus  
will shatter its leaves in your  
Lindernia crispa, which is pubescent,  
from the outer - lanceolate acute  
leaves, & is a garden plant, further  
272; then 1-3 mount unequal  
Saxatilis (bracts?) <sup>which</sup> ~~are~~ <sup>are</sup> Saxatilis has  
4-5 shatterd equal segts. They  
have project to the left on another.

I ~~had~~ <sup>have</sup> given plant from Germany  
in 1874 & it is ~~the right plant~~.

I take 272 the Menyanthes trifolia  
nice, Bentl, at any rate it is  
Lindernia hololeuca Haworth's Senn;  
& probably a form of M. tenuifolia  
which we have also from Africa. The

comes should go into Croesus  
with regard to your criticism  
on Clethes articles, I do not see  
how your verdict affects much  
for mine, nor what you are  
driving at exactly without going  
over the ground, I soon tho'  
have a presumption that I merely  
followed Baillie! I never do  
anything - I carefully disputed &  
Clethes article & you will find  
my drawing in the Publ. of  
remember except. - Heavens  
knows that I have made  
blunders enough in this & saddly  
myself with Baillie's ~~weak~~  
in more respects & I  
certainly did - though of course

with a bias to their being right  
except in <sup>new</sup> points, or when he differs  
from them, when there is no smaller  
reason to doubt - whether Hawthorne  
<sup>or</sup> other <sup>or</sup> obliged. I do not see how the  
we can use any man's work,  
good or bad, of course I may  
slip into his blunders, but that  
is not unhappy because I have  
not looked for myself.

I have no news - beyond what  
my last letter gave you - I  
shall remain in New York to work  
till the end of August, then  
a fortnight with I hope better  
walters at the Alter & British  
Apparition & then I shall  
have to return for the R.S.  
work. I hope that I shall  
not have so prodigiously  
many a session as I had last

In the Spring, & -satisfy dear &  
Dr. J. Keen's teaching, I have  
argued. { <sup>dict.</sup>  
Monmouth:  
Enough.

~~such place~~ Monmouth should  
read such a sequence as  
this, or indeed any other.  
The fact is, that Physiognosy  
expulsive statements may be  
derived from the Autognosia  
of savagery. Moreover there  
exist many other characters  
of the desp. a subl.  
Gymnophrenus.

I know no man of Gnetaceae  
than you will find in Sartor,  
to except one Native tract  
of Beccari which I <sup>and</sup> ~~have~~  
if you have it not keep it,

THE ROYAL SOCIETY,

BURLINGTON HOUSE, LONDON. W.

New Year. 1844.

My dear Gray

You will be interested  
in much & well - the matter  
of Gymnospermous or in right  
<sup>whether</sup> pointing. My object in writing  
was not so much to have  
your views in reference to  
any thing I was publishing,  
as to gain some insight into  
the opinion of one of the few  
men versed in Systematics,  
entitled Physiognomy  
Hobay - she states.

As a Systematist I cannot  
overlook the fact, that  
Gymnophrenos are Distinctive  
& the form & structure of the

embryos, & that the whole  
course of N.-development of  
the plant is ~~prolonged~~<sup>prolongation</sup>, i.e.  
it appears ~~as if~~ <sup>as if</sup> to be the forerunner of an  
early & small (if I am to  
believe the latest views) is  
merely arrested; & of this  
pollen, which is I suppose  
arrested too:- that is to say  
I do not see why the several  
<sup>contained</sup> cells of each grain might not  
be fully developed & escape  
from the outer cell as separate  
pollen cells. On you may  
contents of ordinary ~~of~~ <sup>of</sup> thatadie  
into a ~~hollow~~<sup>hollow</sup> in another  
cell, as consisting of a sufficient  
number of cells, of which the  
earlier may be the several  
pollen-tubes of some pollen.

which always appears annual. b. m.  
- Be this as it may, the  
greater number, are other  
phys. long. characters that  
prevail through the plant.  
- type of Grains here, who C-  
N process of germination &  
germinating of the embryo, to  
be overridden by the characters  
of behavior of the pollen &  
nucleus &c; & hunted on such  
1. Monocots  
2. Diots - { Angios. & Gramine.  
3. Crypts.

or having Angios. & Gram.  
2. Gramine.  
3. Crypts.  
An ~~infection~~ have out of consideration the  
possibilities of Monocots. so far  
as broke-making is concerned.

giving proper value to their  
just & soundness - whether  
or no there should fix them  
in <sup>the</sup> ~~dict.~~ as a subclap.

THE ROYAL SOCIETY,

BURLINGTON HOUSE, LONDON, W.

~~You have done~~ <sup>you have done</sup> better it, as I keep  
~~not~~ a collection of facts.

I had a most kind  
letter from Hopper, again  
inviting me to America, &  
find myself lettering to  
him in a way I never  
talked before! - he asks me  
to join a special party, &  
adds "I & Gray say this we  
will be glad to go with you"-  
Indeed not so <sup>as</sup> how much this  
influences me. But I do  
most deeply feel the party,  
that the experiments attend  
"among 96 children may  
at any time break my  
bones or the head & this

wishes in Head Survey  
myself. I could not get  
away till after June 15,  
but could immediately after.  
Mr. Horne might accompany  
you to Boston, & stay there  
during my trip to the  
Yellowstone. I shall  
with L. Hayes in a day  
or two.

Well, as I can do now is  
what I am doing, refusing  
all other engagements to  
the Americans, & at earliest  
date that would interfere  
with <sup>America's</sup> Americans & demands

on my time so pure--  
I am perfectly busy.  
Primer is off my hands  
with Students - Mr. Flora  
is an awful labor - I do  
little 2<sup>d</sup> Edition. The  
lorry & was <sup>to</sup> of time over  
Mathematical Recreations, <sup>by</sup> William  
Scare & is melancholy-

L. Green

J.W. Kerr.

Could you not review Benni  
- Schlesier & open up the  
matter of Gymnastics - position  
under the broadest aspect - i.e.

pay all my expenses - My  
wife had £ 200 with  
me but they are now  
spent & we have also  
spent £.

In great haste send Gray  
& always at you service  
for whatever our aspects -  
you make - It would  
be better

I have left

P. Hodder

The Prince of just &  
now.

April 17/77.

Dear Gray,

I have yours of March 30  
& April 6 by same post. This  
morning, I hasten to answer -

I quite suppose that it  
would be better to give up  
the yellow-stone for what  
you propose of Colorado  
Utah & California -

My going to the yellow-stone  
really depended a good deal  
on the idea that Hargrave's  
party would be working  
there - which would have  
made us going there

May it run & run secure  
hence - I fancy that the  
time lost in getting them  
would be great, laborious,  
& unproductive botanically.

But you must tell Mr.  
Haworth suppose that he is  
in any way interested to  
construct - my specimen -  
- We never thought of it was  
with references as I should  
have been inadvertently  
& unprofitably saved by  
joining his party. Had  
I been going to lecture or work

myself in any way useful & to  
state it would be another  
matter - as it is I shall have  
no claim whatever on any  
one & least of all on good  
Haworth - Of course I  
would gladly play second  
fiddle to you in your Natural  
History wherever we go, &  
be priced to do so - You  
rightly make a very  
useful paper on contrast  
of Rock Art - Haworth &  
Loddy Dacryd. "albs" - took  
personal observation &  
with other Nat. regions  
by other means.

I shall be quite ready to

but taking tea we be crowded  
with him more than any  
other member.

I must get my 2<sup>nd</sup> lot of  
student-flowers though its  
pups before 16<sup>th</sup> - which  
cannot be I find before  
end of June

In - full but -

flap

B. W. Hooker

Primer part of botany

THE ROYAL SOCIETY,

BURLINGTON HOUSE, LONDON, W.

April. 30<sup>th</sup> 77

Dear Gray

Please look again at your  
~~Aphyantus~~ *Ptilotus Sandwicensis*,  
is it not a true *Ptilotium*?

We have nothing <sup>new</sup> <sup>recent</sup> to  
you Aphyantus, a genus which  
I speak <sup>anxiously</sup> of - It agrees  
well <sup>but</sup> <sup>slightly</sup> with Gentianaceae.  
of Macquins, *A. involucrata* is  
a Succulent, - *A. pendletonii* is  
Gentianaceous *A. angustifolia*  
<sup>but has stamens</sup> *Aphyantus*  
*aborescens* is rather a Cannabaceae  
*A. alba* & *aristulans* should go  
into another genus with a  
third Cape plant.

Notable *Hedysarcocoma*  
undulata = Banatic Macqui

has nothing to do with  
Baratia & is a violent  
form "Idipris": now  
Hennings I suppose.

What do you say to my  
very accompanied & anxious  
to ~~see~~ meet Shadley? - he is  
most anxious to come, &  
would make a splendid  
original addition to our  
party. We have travelled  
so much together, that  
I cannot say no way if  
I would - Of course he  
wants no facilities, but  
I fancy Mrs. Hazen will

be very too glad that so  
such a man should go  
with us. He is a valuable  
political & places. This  
(as yet unpublished)  
Relectator & survey of  
Vermont is a just retrac-  
tion of work. He is a much  
revered member of the  
R. I. - a good fellow Metropolis  
Fair George & friends  
fall altogether. Mrs. S.,  
who will accompany Mr. &  
Mrs. Hazen, is a very clever  
lady - a son - of Sir J. P.  
Grant who was Governor of  
& late Governor of Jamaica.  
Indeed, Shadley is one  
of the Commdy of India - of which

May 4/77.

Dear Mr. Webb

The Williams' name  
arrived in capital  
condition - very many  
thanks.

Very truly  
W W Hooker.

May 17<sup>th</sup> '97.

My dear Gray

I am very glad indeed  
to see the notice of Meemis  
people which is capital.  
You be keep yourself lively &  
curious regarding the  
Institution of Pictos. Though  
I do not think that you  
will satisfy the physiologist.  
There are determiners to  
override the other man's  
desires for the sake of  
their Evelyns, sons & daughters &c

Spent of May 6 arrived  
Leyte. I do not think indeed  
it was as early as you suppose

but it is quite impossible -  
I shudder indeed to have been  
forced to have had it.

Harriet A.D. -

I have a home reception  
of R.S. Fellows on the 20<sup>th</sup>.  
& a meeting of the Society on  
the 21<sup>st</sup> before which I  
must probably leave.  
In house I hope arrangements  
for the still remaining time  
in showing our absence both  
not quite firmly. I shall  
get-away as soon after the  
20<sup>th</sup> as possible & take  
the Northern Steamer. I am

now writing to Mac Donah  
Linchord about those  
visiting. I gathered from  
one of your former letters  
that it would make you  
easier to let go away  
by beginning of July -

Jan 26/77

Dear Damon  
I sail by Parthie  
on 28<sup>th</sup> for Boston

by way of

P. H. Wadsworth

Henry J. Dinkins

A. H. Wadsworth

expected to hear before I left. He said his wife had no letter writing back that he would do so - He is on the eve of departure for India, she has not accompany him.

I have heard from Darcie, his Aunt, William is going to marry Miss Sedgwick! - William wrote to me yesterday about it, but his father & mother however phrased with the last want him with them here better health, William himself being very violent from strong. Poor ~~William~~ the Master, man has been & has been 5 weeks on a sofa with a sprained knee & will be for many more - all probability. I hear too that Anne is not strong enough for the career she went in for (Instrument designing & making) - he seems to be a splendid mathematician like George. Mr. Libbaford has been most dangerously ill of influenza

Oct-23 5775

Dear friend

You're off & I'm to hand. I enclose one to you for Mr. Knip's friend at Cincinnati. I hope it is what you meant - also a note to poor old Emerson - we did little of his debt you remember my saying how unsatisfactory his book was? & I am with that. I just asked Mrs. Knip, I remember her well both in my Father's & my own time. (A & I took a nephew) I walked a mile with me more than once. I took her long walks. At P.G. & Arbor Hill during which he meandered talky; I could get no exact information out of him regarding our America operations; however he was a <sup>little</sup> old soul & I minded him of his

his loss of fees & of my father &  
for what he  
with his  
money.

Thank you for forwarding Watkins'  
letter - its helped me to his,  
which into I hope from him  
satisfaction

I do not know what you will  
say to an opinion on our trip & its  
actual problematical (impossible)  
results. What I have just sent  
off at a minute's notice to "Nature",  
at its urgent request - My say  
that having attended to N America  
trip some notice of it must do  
come in. I devoutly hope I am  
right in keep my statements ab-  
brev., but without your ab. my  
Now I feel considerably helpless.  
& I am apprehensive as to what  
you will say to it. -

Thank you for telling me of  
Watkins' 4 Shasta photographs, you  
evidently took (460 & 461) but not

"the others" do not know how  
to designate them. I also  
thank you that many i your  
rooms, by Mrs. Gardner,  
library address deceased &  
deceased (agriboliz?)

With you kindly add the numbers  
there in - the subject & specify  
two other Shastes if you can  
forward the order as I have  
not Watkins address. - You  
will offered to be in medium  
have copies & disbursement.  
We are all charmed with the  
huge photograph of Le Vell. but  
not with any of the others. Please  
keep you until they  
are taken at San Francisco.

I saw Shantz yesterday - they  
had not written to you. They  
grey, at which I suppose my  
concerned, & added that we are

in quite the same. - They have made a splendid job of N. Palm House a meeting atmosphere & carried out my suggestion of a pipe flow & return round the gallery which is a success. The Herb is in the new gallery of course) must tell some philosophy, & the old building is being gutted & all expensive furniture & being made into a capital working room & library. The Stoves & Greenhouses are in excellent order. You will certainly worked hard & well during my absence. I find the first form dead against me in the Council before the Budget (perhaps on Bank Holiday). - So that I shall not do the right but the contrary. Weather turned Saturday, too, & walked: but a dreadful day at 12 & wind & worse became the former & garden? how Smith has time & such fine work, & i fear the forms, like bats by inevitable & troublesome intrusions of the public, would leave us if they

of the Colon & her been i "be home days" in it still on the continent say starting northward.

I have had a place at the Pines a garden lucky with Ponderosa & Cypress as i came to the first time! & I have the broader & lower one by my side over juniper, has the very thin shiny green rather flaccid leaves, except 16 inches long. There are 4 twins stems in a cluster, 4 inches long, & each narrow. It is a fine bushy plant.

The P. pungens is a more slender plant. tall & straight, but with few branches, half <sup>taller</sup> to tips of the leaves are as big as those of the Ponderosa, but double green and stirring & stout. They also stiff & more erect. The

about 4 inches by broad  
cone is much larger & more  
ovoid, it is solitary peduncled  
nearly at all removed &

The scales

are rather large & more  
slender to prominent points.

Altogether over two plants

agree admirably with my first  
(Yosemite) concretions of the

two plants which were so much  
stated subsequently. If finding  
small cones with stiff not  
shining leaves & large cones  
with very shining leaves! Then

if there is a character whereby  
they are to be distinguished & it  
must be the clustered removal  
usually small cones of Ponderosa

& the spreading larger bracts  
subsolitary cones of Jeffreyi.

We have a good many plants  
of each all <sup>by</sup> exactly alike, no  
doubt just wait for seed &

then we can tell them

one of Ponderosa, which Jeffrey's is almost both.  
one too here - Smith tells me  
he has found another Ponderosa with  
cones - ones I have not seen nor  
seen, looked at the Museum Specimens.  
Pax grandis there is no one taken  
about <sup>out</sup> Lasarette, Pareo &  
Lorriagine hard forms of it.

Of Nobilis we have two forms,  
one rather slender which does  
fairly well, another very stout  
which enriches, get young  
it is described we have many plants of this.  
Then we have the Mendocino  
plant with deep green dark  
distichous leaves actually clover  
at the end, this is very unlike  
the green or nobilis - if this is  
a state of grandis it is very  
green one - with the cones  
got - green leaves & cones & bracts  
of the latter all purple color.  
Neither is it the Ferrea & H-  
Australis here, he says that the B

I dined with Shantz last night.  
Was very much disturbed to find  
that Mr. S. had not written to  
Mrs. Gray. I could not tell Shantz  
strangely - She spoke most warmly  
of you both & said that she  
had "bothered" on her mind to  
write, but noted putting her to  
paper. Shantz is annoyed about  
the law. He rails on G. & for  
India.

We have had H. brandeis here  
to lunch with Mrs. North; we  
introduced them to Prof. Eastman who  
called immediately on them.

Well done Freehan! His contributions  
with us very acceptable; Smith was  
much pleased with him.

Engelmann has written to me  
and letter with seeds of Zizoma,  
Leana & others. He gives a short  
list but with not all the names Concolor  
& lutea. Concolor & lutea he is

Mr 3/77.

Dear Gray

Enclosed are extracts from  
the "Oregon Committee" Report, which is  
concerning California plants. This  
D. I. thought might be useful  
to you. Water marks given  
kind greeting -

I have dabbled a little further  
in Junipers & been looking over our  
Armenia collection - which I find  
full of young plants of Juniperus  
from Sargent, Perry & Rockingham  
& Clinton. Amongst others  
H. Engelmann, the soft affair with  
short appressed leaves, very unlike  
our Montereyi. That I do not  
would be Cupressus unless for  
its distinctness. Dr. Gilman  
to look out for intermediate lots  
& Concolor very different from any

grandis or brevior. - May young  
form of grandis, dotted &  
mobilis + anastomosis + magnifica.  
Good Tongue, & indeed they may  
but bracteata would I do not know  
& we are back off for principis.  
The small cupressus from Farallon  
Mts of Goldie gets a later to the  
Joe Nubane which differs in  
smooth habit from Messerschmidii  
& smooth spicules - we have  
young plants from Whitney and  
in Nevada much more found  
it in a terracina ? (was in red  
with Pruner?)

I want back the principis  
occidentalis of Purdy Inst. - That  
in that branch from the base  
she can no longer occidentalis is  
quite upright & I suppose the  
Province of R.M. - I find a few

collected our plant of M. californica  
big Juniper. - lots of plant of  
Spiraea & other good California  
things although our America  
tree & shrub collection reflect the  
highest credit & paid off a large  
effort - not only for the number  
of species but the interest  
condition in which the seeds came.  
We have lots of Salix - Sonorae,  
Utah, & two other California ones  
that are good. - Platanus Whitneyana  
& no seed of other things.

I hear told Smith that I shall  
simply own thousands of all common  
Ceanothus here & greatly wish  
them stocked with commoner  
for Seckary & the eastern Park &  
I think the many in Quincy  
& just out of the bar shunned by  
the bird there in his published

~~right, I have answered him  
that I will receive judgment  
about Ab. Engelmann.~~

I fear I bore you with conifers -  
but I have still to do ~~Cypresses~~  
& Junipers!

They get Marcelline to send  
me £10 worth of Carsi - old species -  
at proper season. I wish they  
were put into fine Woods & Cones,  
Woods of Juniper & Pines  
Etc. in good old trunks. I have  
never ceased regretting having the  
billlets <sup>of</sup> ~~at~~ Port Gaudens. -

My wife went to N. photgraph  
last week, Mr. Read & son  
apparal. 3 Ville, the fourth  
good but showing my half her  
face - giving however her sweet

September I shall send it to Mr  
Gray or soon in the winter  
come.

We have a Jane the Torrey  
medal, with inscription "To my  
Sug. I was glad to hear the name  
that the award would be a  
hearty endorsement in America  
as here. The two Projects enough  
to keep a club of exploring Chemists".

My first collection of cones looks  
more and more like the  
New collection! -

Yunnan is been-

seen off in

Bethel

plant for the Farallone or some  
such name Island off the Golden Gates  
is it - Kelley gave it to me.

*Juniperus* Henry one I have an  
admirable young plant & it is  
supposed *J. California*. (on the fringe  
of Sierra Nevada)

I have not yet attacked *Pinus*  
*Balfouriana* but shall do so as  
soon as when I can.

I am still perplexed with the forms  
of *A. Menziesii* that we grow.  
*Ourayana* is no doubt the  
same as Sargent's the subalpine  
Rocky Mt Plant. All over our  
Museum are like yours, smaller than  
Menziesii, the leaves shorter broader  
softer & more appressed -

I have not yet tackled the *Piceas*  
of which we have a splendid  
set of ones in Museum.

As to the Report I am very glad  
that you have taken the climate  
hard, I should have been sorry  
to have had to work that up.

Nov. 24<sup>th</sup> 1777

Dear Mr Gray

I have just finished a  
Screen that will I fear weary  
you gray hair & head, but it  
was so pleasant to work with  
her that my pen can speak of  
my direction whatever that may be.

Well I have got through a deal  
of child's play, which is much  
harder work than one supposes  
since my victim - I believe in  
correspondence have done pretty  
near all I expected - but then  
the correspondence was to have been  
the best part of my work - so I  
cannot say that my progress has  
been altogether satisfyingly. The  
advice has cost me much labor  
& hunting through Harden's Reports

Report to - I have had much to  
do at R. S. There has  
been a week & half. I  
have but few moments to the  
officer my intention of retiring  
next year, so while the were all  
opposed, I allowed me to keep it a  
confidential secret at present. I have  
however persuaded Hulley that  
Potter ought to have the Chair & is  
deserving to be seen in with the  
it. I shall not speak to him  
till after the anniversary about  
it. If he will not I am at my  
wits end for a successor who will  
fill the position well, the  
business party & the popular party.  
As for myself, my so called success  
makes me all the more anxious to  
retire. The post is a ticklish one,  
I have stored the Society though  
several difficulties & escaped many  
various dangers more perhaps by

good luck than good management, &  
I have been more or less supported  
Hulley, for never knew councils in so  
bad a condition to which they  
are reduced - & I must confess I am  
ashamed of myself. I am fair to  
attribute it to my taking good advice  
from my officers with a certain  
quickness. & acting on it at once.

Enough of this.

I have been talking at the various  
of momentary moments, quite  
insufficient to get an right judgment  
but enough to tell you who is on  
money. I find our fine plant  
of Grevillea & the Pimelea to be  
concerning the Wilson that it is  
certainly not unripe, but I think  
a long leaved Cortaderia - I may say  
I am sure of it. Tell him also that  
we have a fine plant of Cupressus  
fragrans, which is certainly only C.  
Lavendera. C. Gummifera is  
extremely like Maurandya but  
with smaller fruit & I think the

identifications & hence conclusions  
of vegetable paleontologists. & am  
repared to do better or hold my  
tongue for ever. Is your seriously  
between the Taxodium distichum  
has survived unchanged from  
Miocene times to this? of which  
the evolution & the "struggle" been  
about. we can undertake how types  
survive ages & changes of conditions to  
almost any amount, but hardly  
such specie-like types as those of  
Taxodium. O. Ken Francis in  
has found Abies nigra in the Plan  
Miocene & as it is not found in any  
more southern miocene supposed to  
be a carinata creation that  
migrated south.

Enclosed

W. W. Williston

P.S. I have written to Fendler & to  
Preston & to Findley & the plain  
about him.

Nov. 4, 1877

I have just finished a short notice  
of the flora  
from 80°-83°  
for the Reports  
to follow on the prints of the work.  
All the plants from Scratches sound to the  
Nolan seen are almost pure Greenlandic  
There are just 75 from 80°-83°? The  
vegetation there according to Mr. H. V.  
The two anomalous intruders into  
the flora are Pedicularis capitata &  
Candollea splendens, neither of  
them Greenlandic plants, & not  
elsewhere found N. of 72° or thereabouts.  
This is very curious.  
What on earth can have extended  
the Greenland flora so far North as  
not to find them elsewhere, & why do not  
necessarily the island plants, as  
Astragalus alpinus, Oxytropis campestris,  
Cathartes habichtii, & a lot others which  
abound a few miles from the coast  
& Nolan land & some of which even  
inhabit Spitsbergen, & even get to  
the meridian of the Greenland Flora  
from 62° to 83°? - It cannot be the  
case of Greenland, for the flora is more

memorial. Then that of the Polar  
lands with its  
sulphur, Pyroclastic  
Narrows alpine & a lot of plants  
- Smaller fauna that are now here  
in the Polar lands. & in sides of  
Baffin Bay -

I have putted up for you a copy  
of my journal Himalaya & the  
Mauritius a copy of Despe's Volcanoes  
Central France -

I have just seen *Cera* of  
Mauritius & why it will shall  
go to you, also a Vol. II of the  
Rev. Spec. from astern and I  
find that the Sententious Fibre  
follows all the sections of *Reticularia*  
& keeps up clearly after my <sup>opinion</sup> new &  
young <sup>to</sup> fossils have stopped them & become  
old & feature *Richardia* for  
*Richardsonis*, - if I remember aright.  
The former was an error: it is an  
American question.

I fear that a map of Northern

beities will strike you on seeing  
the Mauritian flora. In fact no one  
would had Kagoshima which much  
have overlooked - however you don't  
in too hard on him for I am afraid  
he will give up publishing. He was  
so disappointed at what surprised at  
the results of all sorts of blunders  
unintelligible & confusions! And to  
convict in the work often him.

I have alluded in Leymerie's work  
in my answer as above. You see me  
not quite like it - but really what  
wrote to say of such identification?  
Takes a fossil Lemna from the  
Miocene with vermis. & since I  
have referred to the sort of  
*Ceratina* Europa leptica australis &  
& failing to recognize them will  
lives types they are recognized as  
identical with European Miocene  
species! - if this is not the diagnosis  
the "ignition" also yields "what is it?"  
- the kind leading the blind "at any  
rate." I often heard about of the  
geologists for not swearing of the

strict growth of Confederate. The horses  
are larger considerably than those  
of Europe.

Sargent is sending us a glorious lot  
of trees & shrubs - What a splendid  
future we have. I should be like bats with  
you & you into Virginia.

Your Rep. that came with the  
Philippines has interested me to turn  
that into our work - this  
capital for our N. Am. distribution  
but I suppose too detailed &  
Harrison wants - That is to say that  
with a treatise of Colorado & Utah is  
what he wants - & we would be bound  
to do it for our book - I will file  
& the gifts you indicate - I had  
already tabulated the Census of the  
world as you had returning into account  
various the shrubby ones. What salts  
do not militate with your results.  
About the return of freedom and the  
migrants into Europe. I am doubtful -  
I have had notions of the sort, but  
now that Heer has shown (?) that  
Austria also was a nation of the North

Dec 4/77  
Dear Old Gray,

At last the annual day of re-  
tribution is over - St Andrews - after  
which I feel strengthened in my belief  
in Providence that has carried me  
through the seeming impossible without  
floundering or blundering. It is indeed  
a heavy day. I leave New York, to  
meet the officers at Albany the 3,  
when the Council meets; then to the  
annual meeting for election of Officers,  
auditors report, my address, & no end of  
votes of thanks & distribution of Medals.  
Then to drop at Utica for dinner  
at Willis' rooms with horrid toasts &  
speakers. & home at near 1 P.M. in  
excited mind and sleep - I much  
prefer a night - a Palmer car with  
American babies & youngsters about, & no  
Sotting syrup - Ah went off well,  
the address gave satisfaction, I did not  
"stick" at the speechifying - I called the  
American Guards to the <sup>new</sup> ~~old~~ address  
and received the applauds for <sup>her</sup> ~~our~~  
"Laws" & to "Promote" <sup>her</sup> ~~our~~ <sup>new</sup> ~~old~~ address.

Amenes &  
which I gave to Hazen gratified him  
much - as did my toasting him  
in the evening in connection with  
American Science ("God help the mark!")  
to which he responded with some warmth  
but more promptly - talked of "strawberry  
leaves" being given by the government to crown  
"Heads of Wood" & nine & a half of these &  
~~so far~~<sup>so far</sup> so forth, to Munroe who  
was present & disgruntled. I had the little  
man on my right & after now, <sup>had</sup> that  
old Monk. He is a wonderful specimen  
of your countrymen, but we got on very  
well indeed. I wonder what you will  
say to my remarks on American Free which  
I introduced at the tail <sup>of my address</sup> & looked  
by of Hazen & the Survey - Anyhow H.  
will I doubt not be pleased. I will send  
it as soon as printed. We elected  
Deacon's Foreign Member on the same  
day.

The Photographs arrived the 29th &  
& I expect set off on 30th if there  
are exhibits only. The most requisite things  
I have selected - without the delay &  
futility of the highest class of art. It  
is indeed a glorious job. I speak with

to Hazen at once. My wife wrote:  
though he writes a foolish as is not  
true yet! - it shall be sent ~~as~~<sup>my wife has</sup>  
soon as it does come. I have sent a  
copy of U-S Nature improving & sketch to  
Mr Gray & the American friend, both  
& the photo of himself each poster  
without delay on my part. This is  
with me & I expect her to be tile  
after Christmas. I have had the big  
photo of the Villa Nap Camb framed  
& it looks splendidly.

I have found over course of Niles  
Balfourance for Jeffray U.S.A.  
It is clear young aristata with the  
mucilous scale like she smoked off  
it is young & nice & should immediately  
I am greatly puzzled with Niles  
Mossagae of which we have a fine  
young tree black - with cases in  
woods. It has nothing to do with  
mucilote or tubercule, but is  
very like ciliata but the leaves are  
immense larger & the buds very  
thin indeed - to have the fine case

area along with Taxodium, the spuletia  
fails to the ground - for if  
Ab. viridis could come  
down onto Taxodium? surely enough above leaves  
comes up on where else? the Briseis  
would Taxodium drift over the over  
ground - the corolla Taxodium. His abscission  
is the subsequent formation of Ab. viridis  
over all turns up the Port. ~~placens~~  
I think more likely Port. ~~placens~~  
warmest air passes through Juniper & Port.

never Taxodium walked south with  
the latter & had helped the burning  
off to ~~success~~ Juniper before the latter  
was warm enough to receive it -

Ab. viridis on the other hand being  
a much colder loving plant turned  
off onto Juniper <sup>which</sup> ~~after~~ <sup>now grows</sup> America ~~for~~  
too warm for it - or in America  
turned with A. alba. But the dear  
new spuletia it is - & one  
Taxodium dist. & Abies viridis nearly  
the plants of our day? - One Jameson  
of identifications says "Like is a  
good mark of identification" - now true

That is i Plants.

The review  
of the  
distribution  
of the  
Nat. Flora is to  
be  
interesting & instructive. I should  
be much disposed to go into it as  
you have done, & in as much detail &  
more, for the Colorado & Flora, & subsequently

In the Atlantic & Pacific Flora, there  
will be an Appendix to the general work.  
On re-considering the Rocky Mt Flora  
as a whole, I am disposed to divide  
it rather from those of the  
mountains themselves for so big  
a continent! & to go down the L. & W.  
at Red's Larch - because of the  
Prairie & low Western elements it  
amounts to very little - It wants bright  
& sunny crests & above all aspine  
meadows to develop an indigenous  
alpine vegetation.

I suppose we must in an agreed  
outline i the R. M. upon the L-  
Rocky Mtns & Nevada, though this  
seems hardly fair to California & gives  
R. M. Flora a good many species that

are more typical of Calif. than by  
any country East of it. I think that  
you should have a table for showing  
which R. M. (& the broad sense) species  
are found in the West & in the West  
united, or both - and also whether they  
are unique or typical types.

I have drawn up a little notice  
of the Polar Arctic Plants for the Journ.  
showing that they are a Northern  
extension of the South Greenlandic  
Flora -

Now I must get to the letter  
to good bye & will app report -

Mr Gray in health

P. A. M. W.

July 1778

Dear Gray

Let me introduce  
my friend Mr. George  
Gray whom warm is  
sufficient introductory

I & Natural History,  
claims on me do not  
end there for he is a  
warm friend to

W. Webster

New Jy 27/78

So poor Bolander's wicked conscience has smitten him! His letter is no less eloquent & full of his conduct, but I can sympathize more from my knowledge of the botany which is I suppose at the bottom of his malady.

Yes work out Taxodium & I won't dispute it - but very few difficulties remain. Conifers are distinguished both by their exserted strobili & their flowers with splendid specimens; I much think it worth to continue that because such venerable species of forests show no difference for recent growth; they are therefore certainly identical.

I am delighted to hear of the Metasequoia ~~metasequoia~~ & Metasequoia. A close look at the Redwoods, which is my favorite tree - I have made an avenue 1/4 mile long there now. I am desirous to buy a Arboretum, & deeply interested in it. Nuttall & Whistler also report - but go to your towns & change of air. I shall take to it again - but I must be up & down. Thank you very much for the delightful letter & shall enclose to you the evidence of your L. tenuis & argue for its identity if you are so inclined - yours if so, the latter assumption is the most plausible.

My dear Gray

Since last I wrote my whole spare time (or rather) has been given to the Mexican Roseaceae which "stepped the way" of the Flora of Michoacan upon which Dr. C. B. Willce is hard at work having given me Saxifrage Cypripedium & Hamamelide.

I have just published off Mr. Remond's Notes for crown & <sup>his</sup> in my first subsequent letter. Because Roseaceae is really very bad being work as a whole, though it contains many new & good observations. Hardly a general remonstrance but is my fault from not having examined his materials - In such measure as a man, erects the genus & puts into it what he thinks proper. & this most carelessly.

Your

structures or its  
known of the flounder & details &  
the approach  
you would have made hereto  
with it. I have kept up *Codonus*  
*Douglasii*, *Poortvliedii* & *Eriobotrys*, all  
but the last with some hesitation  
I could teach the *Melus*, *Sabicea*,  
*Aria* & *Microconches*. nor *Pyramantis*.

The Museum did not send me  
the Canada fed. Survey Report - so  
your's is most acceptable - I shall study  
it at our disposal of our work.  
I remember Hector & Bouguer's  
account of the twelfth region well.  
I think I can find some notes  
of Hector on it.

I have a very pleasant letter from  
Mr Bidwell alluding to Hardships of  
mining Minn & St. Louis will County.

I met twice Pickering's unexpedited  
to Board approves of Board being a foreign  
fellow R. S. which I intended to  
mention.

I have had sundry talks with my  
officer R. S. about retirement. They are good  
enough to repeat it, but submit:

Stokes flirted with the offer, but died not  
like to resign the paid by State. not  
take the social duties. I think an  
such suspect. Petter's wood, who is a  
splendid Methodian, great at polemics  
rich, amiable & a favorite with all.  
Explorers writes me that the  
Gigantea species of N. Nevada is  
*J. grandis*? It is surely rather  
different from J. O. of the Valley not  
whit or peninsular branches from  
the base.

A letter of Brandegee & Sargent which  
the latter sends admits some difficulty  
in distinguishing ab. Engle. & Engg.  
He says i. *Sargus de Cristi* & *E. obliquatus*  
more to the other is any other place  
he has seen it. & again E. cannot be  
distinguished from it. pubescent branches  
B. is writing an article on the *Compositae*  
of the California.

To day I went to see Kelley and  
he came on sent off with some  
supplementary Sherman purchased  
of Publishing for the big moderate sum  
of \$10. What's which result at once

N.  
a greater contrast in America than  
any where. I do believe that  
N. Flora of California & New England  
are more dissimilar <sup>than those</sup>  
of Scandinavia & Mongolia, &  
I very great deal.

I met Gladstone the other night  
who was rather interested over my  
account of the Big trees - &  
America in general. - it was  
despicable "rightly overawed" by  
one "giant" with such a man  
children & his wife. who had  
followed our footprints home  
from San Francisco were also  
at the party I found them very  
pleasant sympathizers with  
me & you. With love from  
us both to you both in health  
J. W. Hooker

March 11/75.

Dear Grey

I hasten to acknowledge  
the cheque for £5. with many  
thanks.

I think we shall turn  
out a good many mistakes:  
more despiciens at first,  
which have accumulated  
in piles & corners, & we  
shall be obliged to know  
what to do with them.  
Of course I suppose that you  
would not care for many  
of them - Are there any  
institutions in America where

which would be nicely cared  
for, if we would instruct  
Oliver accordingly & send  
them to Smitherman -  
Or would you like to  
have a consignment sent  
to you (the Smitherman) to  
look over & see if there  
is anything you may want?

I am working at the  
Colorado Flora. Such a fine  
no better analogue for the  
Rocky Mts. than the Atlan-  
tic regard altitude & vegetation &c.

Just now when I see  
Astrovulvus, may I surprise, at  
the difference between S. & N.  
N. American Flora. - I am  
speculating on the advantages  
of regarding geographical  
distrib. of plant primarily  
from a geographical point of  
view. That is, not classifying  
plants according to the  
<sup>open</sup>~~area~~ <sup>they can congregated in</sup>  
such & such countries,  
but taking the Natural Areas  
of the world, & studying  
their Flora & relation to  
these. Plants seem to have  
followed the great geographic  
readings, & to have been  
obstructed - mingling of the  
great geographic distributions to

nothing is done with <sup>a</sup> figure. of the  
coniferous south, or any other. It  
never can be represented as a element  
of the whole base.

I am much taken with Muirs  
observation of the sites of the big trees  
on the slopes pick denuded by  
glacial ice - but I cannot make  
much of it -

I have a book of John L.  
and one Dog & Bear tree  
River to make up a boy.  
Kearns had a little time  
ago after a long hard time  
but is going admirably well.  
as is my wife & baby - a Splendid  
child & very good.

Hann is dying in London I see  
him almost every day.

I want now go ~~to Boston~~ work with  
such love to me to the

Espresso J. M. W.

April 14/85.

Dear Gray,

Spare you for several  
letters, Feb 11, March 18 & 26. Feb 5.  
I have written to Richards, also I  
hope will not give up Belau.  
Leaven is much to do about the  
wooded conifers, which I can do  
Engelmann has little cleared up  
or thrown into intelligible conclusions,  
for the like of me I can't like all to.  
I have admirable letters from him,  
that do respect & esteem him & his  
knowledge & care & attention &  
extremes, so that I hope he is  
right; but if so I can only look  
in "wonder love & awe."

Here is a pretty <sup>new</sup> extract about Catopseus

(I have not written about it to Engelm.)  
macrocarpa, - our so called plants  
not the Cypress - first one, which is  
larch. larch trees with  
spreading branches & far more  
robust twigs & larger cones than  
our macrocarpa. -

I do with us also have a good  
Cupressus growing in California, with  
old Sequoia.

I have just finished my section  
for Rose's Handbook on Distribution of  
American Plants, which comes off  
tomorrow night. I account for the  
area of the Eastern Pine & the  
Western States & the granite  
condition of the Sierra California.  
With Nevada & Colorado ~~also~~ for  
long ages after the Eastern States  
were warmer up. I hope you  
will excuse this, for by force it  
is true, & we must tell each other

books in our joint work. I have  
given your history of the Eastern  
vegetation, I hope correctly. (from  
Harr. Amer. Acad., & you add up to  
Lam. App.). Take you outline of  
my (mainland) showing that we  
were contemporaneously working to  
some end for different stand-  
points & without concert. I do not  
blame you when you quote as  
exact, but as is typical of your  
work, but I know I have made  
no mistake. - I wind up with  
Sequoia, which gets me to  
Muiri paper. - By the way do  
compare twigs of Sequoia Sequoia  
 sempervirens, with the Plate  
XI. fig. 4 of "Monograph of Cedr. &  
"Fertile plants of Western Territory of  
U.S." 1878. which comes from  
Harr. I mention this of Muiri  
because correct, the plant has

April 13/78

Dear George

M. Plak. XI. f. 4. to which

I referred you in my letter of  
yesterday as well. The print  
published vol. VII - but in an  
unpublished book which you  
perhaps have not.

Referring now to vol VIII. Please  
look at pl. LXI. f. 25: & you  
will find the same specimen  
leaves to a thing called  
Sequaria brevifolia, Herr. Now  
turning to Herr you will find he  
figures a plant with leaves  
decidedly narrower & a petiole  
(however short) in Sequaria.

Referring back again to J. Langsdorff's  
"Lycopodiaceae" (unpublished vol. C. XI f. 4)

Comparing it with Hens figure  
of the same plant, I should say  
that they have nothing to  
do with one another. Do look  
yourself.

Really soon check should be  
put to this sort of work;  
what is bringing Systematic  
Botany into contempt, &  
Palaeontology into confusion.

Read any of Desverneaus  
description of leaves - I turn  
~~up~~ <sup>the</sup> first at the book <sup>vii</sup> open  
at random. It is p. 199.

Two statements. "Leaves ...  
" broadly ovate, lanceolate, &  
" rounded to the petiole"  
How can <sup>one & the same</sup> leaf be at the same time  
broadly ovate & lanceolate?

If our theories of plant migration  
are to be based on such ~~evidences~~  
as Desverneaus evidences I would  
give much of them.

My lecture at R. I. went off  
last night - pretty well, &  
the Scutellariae interested the  
you & my notes cold; but I  
shall be very anxious till I know  
what you think of it - all in  
point

Espresso

W. B. Walker

Promise this living.

4 I also go with you in the matter of the  
influences of James' fluvial Epoch &  
Tilliac Epoch. By the way did not  
Nephrite find <sup>cases</sup> ~~water~~ of <sup>Marine</sup>  
~~plant~~ somewhere in Great Lakes - whilst  
if so would come in well as witness of  
the <sup>Fluv.</sup> ~~fluvial~~ Epoch.

5 Of course I agree that evidence of  
glaciation & tundra were not often  
preserved. E. Farber was the first to  
insist on the erroneousness of the  
assumption that identity of organisms  
in far distant localities implied  
contemporaneity - I have somewhere  
written on this - but I cannot find  
where.

As much for agreements, my  
"cheval de bataille" is not yours to be  
overruled & made a "horse de combat"  
by yours - now for differences.

1 Of course the later glaciator of the  
Western half with all accounts for its  
superabundance of Cypresses, but do  
not marvellously prove it. - for the  
California Cypresses are a very thin &

THE ROYAL SOCIETY,

BURLINGTON HOUSE, LONDON, W.

May 8/78

Dear Sirs Your of April 26<sup>th</sup> just  
received & most welcome. I have  
this moment considered a brief  
copy date relation of your Thunberg  
Rep for the Geopgraph Soc. of which  
I shall send you a copy. This may  
serve for you to contrast with what  
you may want for Tidemand. It  
has taken me three days to complete  
for 1st stage & I never in the  
matter of composition - leaving you  
your ready here.

Mr. Merkely is here very shortly  
but pretty well - he is making his  
Publ. over to you & cataloguing it.  
here for us. a grand gift.

I shall be induced glad to see  
the James again.

As to Cupressus macrocarpa, there

are two distinct things so called been  
more difficultly far than the way  
of Carpenter mentally the Wingmen

1. C. Lumbertiana, ~~old~~<sup>new</sup> - on bank of Cypress point. will stand trunk.  
much branched, with spreading tabular  
branches, & very large fruits.  
2. C. macrocarpa ~~Hartig~~<sup>new</sup> on rock platform,  
with far smaller foliage, &c. more  
 slender branches, & smaller fruit.  
Which of these should be called which  
I do not say. but I assume that  
Hartig's plant "ad simum Carmel  
prior Monterey" is the Cypress point  
one, & if so it is the robust one  
called Lumbertiana in <sup>our</sup> Anderson.

Jordan identifies his Lambeatus  
with Hartweg's Mucrocapa, but there  
is no evidence of their being the same,  
according to <sup>that</sup> the same place - he  
says indeed (Nineteen Ed. 2. p. 82) in  
just note) that his reading Lambeatus  
was ~~the young~~ near the Mucrocapa;  
but that is the point of the short of,

young macrocysts in removed, it opens to spreading habit. <sup>This</sup> infection - Look may be as to habit, but not as to pale & size of fruit.

We did hear St. Francis of  
Assisi speak in the Mountain near  
Montgomery. Can you think one as that?

We were both growing & I was large  
tires of both at Captain Park a few  
days ago <sup>to look after</sup> but of course  
the eyes too <sup>by his method</sup> - rather <sup>worse</sup>  
The first surgeon has selected  
forth a lot more <sup>peculiar</sup> shapes of  
broken bone ~~and~~ <sup>the</sup> for you to  
worrying as <sup>possible</sup> ! - in conceivables I am  
afraid of them.  
Now let us come to close quarters  
about glaucoma &c - First we shall  
be agree to.

grey bird we can grow doubt the  
accuracy of Jap's theory that we can  
expect our grass much like with  
Acacia stand with us? - or Vitis  
L-cultivata? or the Guayacan?

From his conclusion I am greatly sure  
that my War horse will adapt well  
to an area becoming familiar with  
its places - & for goodness sake  
take care how you dwell too much  
on climate -

You are far ahead of me - your  
first conclusion as to N. Am. flora. & your  
Jap's theory is the first really good  
advance in Nat. Hist. since Humboldt's  
isotherms ~~and~~ I have called it in  
my lecture, "the most striking satisfactory  
special contribution to the science of Nat.  
Hist." that is known to me - ~~the~~  
<sup>so</sup> much that I beseech you ~~not~~ stand  
behind you - we must now both  
disown & drive our horses to the  
end of the goal. in one & settled course  
I must go now to Hardwicke's  
work.

THE ROYAL SOCIETY,

BURLINGTON HOUSE, LONDON. W.

Austin & Mexican types, & they are  
in my opinion that would justly  
invade other country for N. & S. end  
of Mississippi & the  
Prairie disappeared; just filling  
the valleys, & then mounting the slopes.  
You could not find in a better  
~~model~~ model of present American landscape  
in goodness of my theory!

2. I cannot conceive the local  
outpour having any effect over an  
area such as we have to deal  
with - I hoped you had forgotten  
that assumption & so did not  
allude to it - You have however  
with an area extending from the  
Prairies to the Pacific.

3 Before attacking the science of  
the Prairies there is the want  
of summer rain, yet without <sup>which</sup>  
1) that they beat for this they would  
have been there 2) that in other  
countries there is no relation between  
these two conditions (of rain & deduction)  
Now it appears to me demonstrable

& Hurley agrees with me,  
that the favored condition of the  
country from the R. M. to Mexico must  
have prevented any of the ~~strategic~~ return  
of the southern plants which were driven  
south <sup>back</sup> into western <sup>matured</sup> America. I  
very much expect ~~estimated~~ the  
prodigious destruction of the W. half of  
America & its wide latitude  $45^{\circ}$  ( $40^{\circ}$ )  
tho' I projected the farther in letters in  
a telegram which I sent you in the  
printed letters.

You say the trees pushed south  
into Mexico would come back into  
W. America or into S. any later: my  
answer is that they could not  
get further north than, say,  
S. California, & there perished. we  
lost a few that are represented by  
a Populus, a Larix or Pinus, a  
Pinus, a Populus, <sup>Acacia</sup> Acacia, & Pinus. & such  
as many of each as we know that  
hardier trees would have done  
very well if they had had a  
chance - why does not the want of

sunlight kill these? I say so  
the deciduous trees introduced from  
the east thrive so well in the West,  
if the want of summer rain was  
the cause.

Early want of summer rain is  
no impediment to deciduous trees  
flourishing in the Levant, Abyssinia &  
elsewhere in India & both your E. & W.  
states plant young will grow in England.  
4. still think trees character of  
Japan & Calif. coast with more shade  
than Japan & S. U. S.; & as to Japan  
was writing letter in E. U. S. there  
is lumber - Magnolia dubitata -

It is after all most unsafe to  
form argument in what animals &  
plants <sup>may</sup> & <sup>do</sup> ~~do~~ in countries other  
than their own. their constitutions  
are "pest finding talk" - all the  
Japanese Camper do well with us, &  
they may other things too - & many of  
them Camper, Sargent told <sup>me</sup> could  
not live at all in the Carolinas. You  
surely are a error in this matter. I

(on ~~Shrub~~<sup>Savannah</sup> valley floor), has  
a smaller cone with smaller scales  
& has slender bracts & far.  
The male cones also differ. I am  
trying with you. I tried hard,  
but in vain, to run them together,  
I could distinguish the separate  
leaves laid side by side. On  
*I. borealis* (i.e. multicaulis) has  
hard <sup>of any</sup> subulate leaves, at  
last I never saw them.  
Carrie & Parton have both  
described them wrong; but  
they are horrid difficult indeed.  
Carrie's *I. gigantea* is in fact  
*Lycopodium decurrens* I believe.

I send a list of our American  
*Cyperaceae*. - The <sup>various</sup> *Lycopodium*  
an innumerable & most curious!

May 29, 76.

Dear Gray

My finger are half paralyzed  
with writing - so I shall write  
slowly & beautifully too!

The Synoptical Flora has  
arrived & I am delighted to  
see it.. I like it - altogether -  
very many thanks.

I am worried to death  
with correspondence about  
this <sup>morning</sup> opening of the Garden  
which is to be proposed in  
Parliament. I am in  
consequence besieged with  
queries & bombarded with  
letters / wish you had never

been created! Smith is "in  
doloribus" about it, & his birth  
is with me in order to cope with  
it. We had the Garden open  
last Bank holiday, & not a stroke  
of work was done after 10 AM.  
However the Master must <sup>come</sup> go on,  
the First Comr will oppose it, as  
will many of the advanced  
Liberals. The motion will be  
made by (conservative) Sir Trevor  
Lawrence, son of the Mr. L. of  
Habberfield fame. By the famous  
Flaggs - I know him well - he  
is ashamed of himself, but  
acting under political pressure

being member for this part of  
the County. I have brought the  
Master before Mrs. Beaumont  
who live in the "Whip" about  
it. Noel (M.F.C.) is confident  
it will not be carried; but no  
Minister should be confident.

I have you're this morning about  
the Cupressi. Unquestionably  
Thujopsis borealis is nothing  
but Cupressus Nootkae - we  
have long known this, & our  
titles bear the both names,  
(the former as a synonym)

C. Lawsoniae is very like it;  
but certainly different in habit.  
& come; we have hundreds of  
both, very fine plants, 20 feet.  
high some of them. Lawsoniae

MAY 25, 1873

but none approach [Mutthaeus].

Miss Newk

on Cedar point - Mano carke  
grows abundantly on the other  
Merry cult under the name;  
the former is Lambertianus, but  
I am not clear which should  
bear the name - It was  
<sup>originally</sup> <sup>before</sup> told <sup>in San Francisco</sup> of a group  
"growing on hills near Monterey,"  
as well as of that on the  
coast. - The California  
Cupressi wants thorough  
investigation. Of the  
6 where names I selected  
one does not satisfy  
diagnoses as to characters  
or habitat.

I have seen much of the James;

Took Ann & H. R. S. Club  
dinner, <sup>to</sup> Society &  
Then I - Friday, So.  
Sick for which I got the  
ladies tickets. After my  
Spent Saturday here in the  
Gardens.

I send proof of my Lecture;  
I will try to keep it standing in  
the title I hear from you... it will  
need some foot-notes  
Thanks for Daniel & Lequerre's  
letter; the latter's clearly  
wholly unfitted for what he  
undertakes - in <sup>his letter</sup> letters of the  
leaves of Sigma by document  
which is just what they are not.  
We are all well, but Barnett,  
etc. etc. for <sup>etc.</sup> making a good  
way - but Mr. W. W. Miller

MAY 25 1878

American Cupressace 3

North West?

1. *debudatia decurrens.*

*Thuya gigantea* (var.) *hastata*  
" *Craigieana*, Nutt. Conn.

2. *Thuya gigantea*, Nutt.

Syns. *Lobbii* Hook.

*Montereyi* Dugl

*MacCallumii* Dugl

*Thuyopsis Standishii* Hook

*Craigieana* } R. Br. - obs.  
*Sympatra* }

3 - -

*placata* macrolepis  
Var. *fastigiata*

- *excelsa*

- *pendula*

- *compacta*

- *nervosa*

4 *Platycladus*

*occidentalis*

Var. *Sibirica*

- *platycladum*

- *tricoides*

- *elegans*

- *grandis*

- *renardii*

- *compacta*

- *breviana*

- *Hooveri*

- *Dicksonii*

- *Vermiforme*

Have subdivide or to same form. & these  
both have

5. *Xanthopanax sphaeroideus*,  
Lub.-Thyside Lvs.  
6. — — *Lauraceae*.  
7. — — *Neukahrnia*  
*Thyrses* breakis,  
va. bricidae  
" glauc.

8. *Cupressus distans*  
(Thunifera)

9. — — *Neukahrnia*  
10. — — *Grevillea*  
11. — — *Mucocarp*  
12. — — *Lambertia*  
13. — — *Pinus* *Nigra*  
14. — — *Thunifera*

c. Shrub like.

Elevation of Seymour, I took Minus  
data, who lived in the Great Forest,  
& where absolute data are &  
such as in good as Whitney's.

I think you are hardly fair  
to me in saying that Whitney's  
Yosemite book <sup>contains</sup> omits the "that  
is his heresy" & collects &  
rejects.

Now is my authority to fine  
Gov. Miller is the Big tree grower  
(4 king's trees) see his notes  
which I quote. I have spoken  
my cautions of his other  
theories, but am not disposed  
to scotch them - there is much  
that is to me very mysterious  
about the distribution of these Big  
trees. How I should like to go  
there!

As to Greenland, I will consult it  
with you.

I could &  
be seen about.

My dear Gray

I am to thank you for  
your valuable criticisms on  
my sermon - which as you may see  
was a too hasty performance -

I shall kept the proof back,  
I have now sent it for review  
with corrections to printer.

Now for your criticism.  
I never saw such Oregon in my life  
as just outside Boston: a field  
I drove by with Sargent. I have  
however subdued the temper.

For Michaelmas Day read the one.  
I have no misgivings before us  
about South & regions as to  
avoid committing the little &  
Nevada & to any great place

Jan 21/78

Don't know where I got Anti-corte:  
I have called it Coast varipes:  
The wood cut  
to that name

Surely it is abroad in the  
Highlands of Mexico & then extends  
into S. W. States & up middle C.  
Colorado - Almost all N. cult. species  
attributed to Mexico I think, & they are  
very numerous. I had used  
Yucca <sup>(specimens)</sup> for Yuccas in alluvium &  
~~the~~ <sup>(species)</sup> Prairie. It should have  
been ~~\*~~ Yucca & facti-

— fireback (Bent Ed.) II. 490 talks  
of Yuccas amongst other things as  
characterizing the 5<sup>th</sup> Region, though  
he calls the Prairie field of Agave &c.  
— Puriss. edulis should be Puriss. 2<sup>nd</sup>  
Mexican type

You say "D'arwin had not laid  
before public before the last of  
'my paper was read." — But

you quote Garrison yourself in your  
paper! — His paper was read  
July 1<sup>st</sup> 1858, & published immediately  
afterwards, & it creates early  
communications made to you in Oct.  
on its substance. Your paper 1<sup>st</sup>  
were read Dec 14/58 & Jan  
11<sup>th</sup>/59; & Reddison, subt. Compt-  
isdatior Feb 13/59. — I do not  
know who it was published.

My paper was read in June 1860.  
I was quite unaware at the  
time of your speculations.  
Has I suppose we were both  
of us engaged at least  
3 years? I commenced immediately  
on return of Webster's paper  
(1834). I thought I might  
fairly say what I did. Then  
too you must allow for longitude!

were not satisfied. It is in July  
you write to which action I have  
I send you theories of migration:

I shall in good of your indicate  
parallel to St. Louis <sup>about</sup> Forest:  
my reading of Japan inclined me  
to believe that forests were more  
continuous of one or few trees  
in Japan than in S. W. America.

Pinguicula & Chrysanthemum indicated  
a range in Asia. - How do we  
now? may they not be not only  
in all N. Japanese plants but in  
N. Chinese too. Whereas will  
all your <sup>American</sup> ~~Japanese~~ Botanists  
you can find but few species  
of some of N. Japanese plants in  
Europe.

I have but a note as to how  
not country or Dams' letter  
changes for British.

of Greenland plant not in N. Am.  
I count 24 + 17 not in  
Arctic & Subarctic  
& Scandinavia but are  
more in E. N. Am. - & there are  
many others found ~~only~~ in America  
but it is because N. W. Greenland  
is <sup>all</sup> granite sea green set 16 plants  
of which <sup>all</sup> were not found in Scandinavia. In  
which I am common to the  
N. Am., & hence not ~~at all~~ <sup>more</sup>  
characteristic of America, & two  
or three are high Arctic only.  
Moreover you come still over  
first size. Mimulus is <sup>also</sup> a  
representative of Nivalis. I was  
not aware that Daphne <sup>was</sup> ~~was~~  
was American, or Phlox  
hirsuta Greenlandic.

Add to this the number of  
characters in Arctic & Subarctic  
America there not in Greenland,  
Succowia, Actyngia, Phlox, Hedysarum,

Aster! Myosotis; Solanum, Rosa  
Ribes, Philadelphus Palma,  
Spiraea, Raphanus, <sup>Brassica</sup>,  
Lavatera! Equisetum, Lycopus  
Panax, Bryoniae, Acorus  
Artemisia & Pileumugra!

But too true Ency! There are  
ah or nearly so Scandinavians.  
I do not speak to native Greenland  
money first, but secondly  
regard to the species of  
Greenland, they <sup>then appear</sup> rather British  
or at least American.

And why do you speak  
no less than 3 Gallicans?

You call the American plants  
unprofitable, but they are not  
more or than the Scandinavians,  
Lathyrus divaricatus, Sapindus nigra,  
Myrsinaria virginiana,  
Stellaria canadensis.

2 Ulmus! Ulmus!  
2 Tilia. Tilia europaea;  
Tilia. Scandinavica Linné varia.  
Douglasia. antennulae.  
Gentiana alpina! Nardus stricta!  
Polygonum affine.  
Prunus fruticosa. Malus <sup>alutacea</sup>  
Hippocratea Murorum o affine.  
What better could you have?  
border fancies & pickings.  
Silly you cannot say after this  
that Greenland is quite as  
American as Scandinavia.

(term)  
You ask "why Scandinavians"  
because C. tribes used to write  
it I remember myself, & I  
thought it good enough. N.  
not Scandinavians what is it?

I cannot sustain your idea  
of Iceland having had much to  
do with it old <sup>Volcanic</sup> land  
it is a rocky volcano & probably,

about Colorado - you may know  
somewhat of the country. I visited  
it ages ago with a man Gray  
of Lambeth (A.S.F.) that was  
in Paris during the revolution - &  
which I have retained. When he has  
too! - The open garden presented has  
caused me enormous worry &  
concern & apprehension &  
has not yet come before  
Parliament. We have over 5  
thousand miles of rail from Laramie,  
three steamers, connecting them  
centrals of a population of  
3 million up the Ken. The map of  
that country will show its' singular  
varieties and great roughness. Difficulties  
etc. - if this is to go in it  
seems to take about one with  
Ken. & you'll see will be per-  
to recruit America all the sooner  
Up aff. W. W. Walker

- I have struck you out to  
Sculptures - though I do  
believe in the growing  
out; taking advantage of a  
pressing sorrow. Do you  
really believe in Whiting's "Labour  
bottom"?  
I agree that <sup>in one sense</sup> we have and it  
was Mexican <sup>in one sense</sup> Governmental.  
but I include in it - "New  
Mexico," which was familiar  
to me as part of Mexico  
when long before you annexed  
it; or at least long before  
you thought that it was  
in U. States territory. - This is  
what I meant. We're  
now ready & we glad  
you pointed it out.  
We will send Ed. II. P.  
Llancay - Here because there

not out yet!

Oliver has  
Sauvignon  
the power of sending books  
through it - & we are sending  
to Nelson.

I have not time (& no care)  
to discuss climate with you -  
I'm altogether heretical about  
it. - I've written about  
Europe's microclimate like I  
have any thing more worth-  
talking - I've had helped to  
fatten C. Giovanni or the  
thin slender mauriceps wallaby,  
but few mammals.

Ed. Forbes died not. Point out  
more definitely of his work  
ourselves, in case of freedom &  
S. hukuhara I think, - but of

Bentley & J. Indie.

Granted it to be likely N-  
Volcanic spring water. I must  
suppose it was also i eruptive  
at one, or was formed a red  
silicate & distributor. I am  
quite sure the pliocene glae  
would simply pour-pour it  
Volcanoes - and getting them hair  
singled here & there. -

I do not call Oliver & Bentleys  
deciduous trees.

I should like to go into the  
quality of the distributor of Japanese  
plant - i. H. plant. i. relation  
to climate. I shall be interested  
if it turns out also found with  
you Carter Plate vegetation.

But - I must leave off. So  
print my Marques journal with  
Nath & doing a job for Hardy..

I have a lot of books for Haydens  
Survey but what with our living &  
mother of life is tortured away:  
trifles.

I met Miss Sullivan two days ago  
looking unusually well - & delighted  
with her first 2 yrs. & Mr Gray.

I sent you part Cupressus Arborescens &  
Guvoniiana - two days ago.

I will try to get scheme of  
what is called Guvoniiana.  
This the most authentic specimen.

You gave us a very good lecture on  
Gray's distribution to the Geogaph.  
For which is now printing -  
both from Mr Gray & what  
you yourself joins.

Marsh is here. I have <sup>been</sup> applying  
invited him 6-3 afternoons <sup>BB</sup> Wodehouse  
with 1 or 2 this week etc.  
Now as P.R.S. - my last effort to be agreed?  
It is a perfect job inviting every body for 2-3  
Marineus & co...! for my wife that is!

June 30/78.  
Old Books Vol. 61!

I can't forget

I did not like to appear  
bumpkins about your objections  
to the term "Mexican types":  
I was at the point (& have i  
part.) acted upon it - but  
on turning to your Diccionario  
p 219. I find this passage  
referring to the California Flora  
types. "There may relatives, when  
"they have any in other lands, are  
"most southerward, on the Mexican  
"plateau, or more as far South  
"as Chile" -

I should not have thought that  
there were many Chile types - but as

doubt you have authority.

Do you not  
underrate the  
elements in California & N. W.  
& which is absent: the tent as  
*Makaricia*, *Pomaria*, *Smelacaria*  
*Neurolepsis*, *Oligomeria*, *Frankenia*,  
*Lavatera*, *Fagonia*, *Zygophyllum*,  
*Pachysandra*, *Psoralea*, *Acacia* (var.  
~~excepted~~)  
This is as far as I have gone. I do  
not weaker by the N. W. character  
of the Eastern States, but  
I think you go too far in sub-  
stituting the N. W. plants for those that  
exist in an affin. between N. W.  
America & N. S. Asia of a very  
different & feeble kind than the  
<sup>Eastern States</sup> affinities -

What we seem most to  
want now, is the means of  
comparing California with British  
Columbia, & Colorado with

Saskatchewan - I should like to know  
the northern limit of the <sup>an</sup> *Ceratodon*  
too, do we know that of any?  
except the Arctic over & western over?  
Induced in this of books  
to send to you. Please observe  
that N. America must be  
nearly enough for Farlowe.  
I did intend to send him  
Mosses & Hepaticae, but Oliver  
is not content with the set:  
N. America - I should also  
have sent him more *Phedimus*  
of my collection & one of my *Ranunculus*  
but only I have not found  
time for any thing.

What of all I am horrified at  
mentioning to send Reinck a copy  
of the *Hepaticae* people will  
find an fresh water algae. I  
must repair this omission -

I must now buckle to at once  
with Haydn's affair. & send  
you a stamp - but really the  
more I try to strike a compromise  
with their mountain chains the  
more puzzled I am. However  
here goes for the Altai - we  
must make what shee Harry  
calls a "tallke talkie" at  
any rate. I have a heap of  
books to send Haydn, but  
an over head & rear i  
nothing states.

Very affec

P. P. K.

Thank you very very much  
for delightful letter which I shall  
answer by noon - Haydn joins me  
in love & her.

Sept. 1877

Dear Prof

just back from Ireland;  
& England, where I paid a few  
short visits. - & I have gone if  
Aug 27. & 16.

I can't imagine what you mean  
by "The omission of us to St.  
Spurce is as good as saying  
"a year to my life". My son agrees  
with me that it is a grievance

We have made Dorian a  
correspondent of the Academy. -

Yes the cover name of ~~but~~,  
but the dear man has horrid litig  
whence Odd Valley died his  
wife. After what I saw at

your Museum - there is now  
little enough there are  
collections that is  
worth sending to you.

I did not think of Maglis  
brandy - it was superb. & is the  
finest cognac - it was his  
newson wife's "choice such  
away with"

Yes you may send me  
4 sets of Foster Forms.

By all means send me  
Centrif' Florida collector &  
reimburse me for them & for one  
set of the forms that I may  
not repeat. The other 3 sets  
of forms I will get the money  
for without trouble. Charge  
at <sup>you can</sup> 5 Haydens' ~~5~~ dollars.

What you add or any other  
way you like.

Copies of letters received - no  
time to plan at rest - I have  
a separate file of letters to  
answer etc.

Yes I visited Neiburg's,  
suppose that it was not sent  
over from Mr. Hubbard with  
the other Indian Games - as has been  
several times he can do. I have  
written that this should be done,  
not but that I am now equal to  
overlooking any thing big enough! -  
I shall put it on a fly-leaf to each  
part of the work.

I shall be much anxious to see  
your new book <sup>which</sup> I have not  
seen until <sup>just</sup> published - May  
you be successful.

185. The rectangles are not a good idea.

186 I write you an eight but I thought there were more than 68 fossil trees in Europe. exclusive of conifers.

186 at bottom, is the Red Cedar really western? -

187. In what respects is the Rocky mts. abies magnifica a primitive form?

187. 1 mi 10 fm bottom - Larch N. S. Amer & N. E. America are not ~~not~~ Antipodal!!!

188. The 5-pn top. Of the genera 2 trees common to N. S. Amer & N. E. America as you write i say "some are common but more not." - Upon tabulation there <sup>it is</sup> also right as doubtful.

189. I think that bijou amber & Cedrus, <sup>being</sup> the Mediterranean being

Sept 1877

Dear Gray

Do you want African plants! -

I am reading your Lecture & going to criticize as you suggest.

1. Are you sure that the <sup>African</sup> Amurica is almost the Chestnut? <sup>from</sup> Then if the other - think of Australia: in which the "one" you except?

2. H. S. J. would you call the Prairies base arid plains? They did not suggest that idea to me.

3. H. S. J. "It goes without saying" <sup>without saying,</sup> oh my beloved Gray - where will you go when you die if you have places in my <sup>ridiculous</sup> Forest cities. & with me it into a

Popular belief is a country that  
speaks better Spanish than English & I,  
- 4 Better of  
it not written too much -  
by that climate explains No great  
density of the Oregon Forest. I should  
have thought that the large areas  
available for timbering would  
have found a greater variety  
of timber - as in the tropics. The  
whole subject is a very difficult  
one.

5. L. 92 and 93 paragraphs.  
I thought the R. M. had a good idea  
of Spring rains - I suppose I was  
misinformed.

4: May. I suppose by "interior  
mt." is meant those of Utah  
& Nevada, but it reads as if  
I was the interior mt. of the  
Rocky Mt. range.

L. 94. Should write. When you are  
right - I attribute much of the  
severe abrupt change from Forest  
to Prairie to burning & - but, if  
so, such clumps & mts should be  
found in the ground. I was  
surprised to see for how far  
into the Prairie clumps of oaks  
or rather elevated sites were  
continuous Westward.

The absence of trees in the  
Gopher plain of Oregon is to me  
quite remarkable. There may  
have been summer & winter  
rains!

L. 183. Cypress do not grow <sup>the</sup> ~~now~~  
the world is "ever green"

11: true for bottom <sup>why</sup>  
"barely" the Reich" & that "as  
far North" we saw plenty of one  
on the Sacramento.

I must go to Paris for a week  
in 10 days at the price giving to  
the habitation - on the 18<sup>th</sup>. -  
Smith is better - he had a  
feverish attack of *Angina pectoris*,  
as I think I told you. The doctor  
is still off & Fitzgerald for  
month.

The Indian Wedderburn is married.  
You will see Mr & Mrs W. Darwin  
at Cambridge before this number is  
published before the file. Memorandum of  
allow called velocity & bid on  
your lot. Dr James called, but we  
had not returned.

Very truly yours  
W. C. Weller

Plans should probably rank as  
European

192 fm w I think too far  
in climaticity separating West  
The ground can bear the same  
climate as Penn. & Virginia now.  
- That they had a temperate  
climate is most probable, but  
not necessarily. This is as one  
part of the globe now being the  
- I quote upon that our <sup>shores</sup> ~~beginning~~  
came back from the North -  
but does it follow that they were  
located there? -

The lecture is to be very interesting  
& suggestive. —

I have had a long talk with  
Darwin about the post glacial  
cold of N. W. America. He  
would invoke both the  
the dryness of the West as  
necessay to account of the

absence of Mr. ~~the~~ Carter  
by return to the N. side.  
So we may expect up.

I have been comparing  
the Moroccan & Canadian  
Flora; the differences are  
astounding! I know no com-  
p. of island to near a coast  
differing nearly as much from  
that of the coast -

Carex nudata is  
now flowering, it is lovely,  
I think you sent the  
seeds.

The kick up about the  
opening of the Garden is awful  
& I am overwhelmed with

alarm & perplexity in several  
of the daily papers. - I am an  
importer, whose works were mere  
drawing-room ornaments, written  
for me by my father & son forth-  
my whole life is held up to  
ridicule & contempt - i another  
- & again I am an old jibber  
who deserves the taxe of U-  
pom & puffs myself up - or  
wander to that effect. - Lastly  
How is Keble abt f the benefits  
of H. Hobble family! - In fact I  
am yester abt & shall be so  
for months to come. Even my  
Prudency of H. Hobble is a job of  
my own to keep bosen out - &  
Ayrtor was quite right i  
treating me as he did. "Sith is life"

appear to be very threatening! - How  
would it do for <sup>one</sup> of our  
Westmore people to sell as many  
copies as he can at 2<sup>½</sup>. & get them  
delivered + you to be carried?

I suppose that at present we do not allow such a disturbance of trade, besides being content with moderate profits.

See affy Jr  
W. B. Hooker

I saw Lockyer to day who  
gave me good greetings.

THE ROYAL SOCIETY.

**BURLINGTON HOUSE, LONDON. W.**

New Sebh 23776

Dear Fred

Yours Cupper Mainbrace  
is quite right. I had my bad  
temper. but got good one  
from Glenview quite sprung  
with you & "California Cobb".

I have good specimens of Cub.  
Yucca for you\*, also  
from Florida, agreeing with  
those from "Woods near Monterey"  
Hartweg .. ✓ Port Kew Plant.  
Its branches <sup>lets</sup> are very delicate?  
+ slender.

more slender.  
are son Ed II. of Gordon's Pinetree  
There are 2 at y California Cypress  
Cathartes talpoides.

C. attenuata, 1866.  
C. Giovanni from "Western  
California" at Monterey  
"within 2 miles of the shore, from

"a dense bush 6-10 ft with  
"Prunus mucronata."

C. leucocarpum.

C. mucronatum

-C. mucronatum

C. muthmannii

Shall I send Stein's monograph as  
given to Gordon?

I have sent to Edinburgh, for a  
complete set of Monographia <sup>garden</sup>

In California I found a very  
curious one, utterly unlike all others,  
raised from seed 22 years old either  
from Coulter's leucocarpum? It had  
never fruited - I have a bit -  
for you.

What does Watson make of the  
Farallone hill plant?

I am to see Macmillan  
tomorrow about the sale of your  
Flora - Doubtless enough is monstrous.

Yes - Tweedia muthmannii is Leucocarpum  
to very good degree tho.

No doubt Sargent's Magnolia  
brevistylis is a Prunus flora. Smith  
would not agree to it, but I feel  
sure it was Quercus itself.

You would not believe how  
poor we are in Colorado, Utah, &  
Nevada plants, but for our  
collection! We have not a  
single Hedysarum <sup>now</sup> millefolium,  
(which I have just received from  
Prof. May) from S. of Salt Lake City!  
None of brevistylis from Alleghanyes  
either. I have just been to Marquette  
& City do not consider 36/ state too high  
for a 17/6 book! - They say  
it is evident  $\frac{1}{3}$  of selling price for trade  
=  $\$7$  67/ & that 7/ is not too  
much for advertisement, risks,  
expenses, bad debts &c. Is not this

26<sup>th</sup>.

I have hunted up Platanthus  
hypoleucus & find that it is indeed  
it <sup>an European.</sup> as forth of Denmark - it  
being found in Iceland -

Your list of Fungi & Liverworts  
Agree quite & there is W. St.  
Ames Co. is a very remarkable  
one for which I was not prepared  
you might have added Acervus.  
Can Darwin's Special old  
Liverworts there apply to  
this?

Benthos came back to day,  
looking remarkably well, but com-  
plaining of shortness of breath on  
mounting.

I am busy comparing Atta's &  
Colorado Flora. There is much  
similarity in Standards & certain  
members of each, especially when  
there are intergrades with G. Pursh.

America Order. I can find no good  
just account of N.-Amer. flora  
written A.D.C. was Grisebach as  
good as Exponents of ~~foreign~~<sup>Not American</sup> flora  
areas. - in part A.D.C. is perfectly  
useless. under that point of  
view.

at other Party not begin - & in so - Please  
tell what it should be.  
Pata & Grotto are my only guides to the  
place. It has taken an immense  
deal of labor & may have made  
blunders. The much common Park is  
1. The number of Altai (i.e. N. Austin &  
Mants) Rock but not found in N.  
Pacific Mts. 2. The number of  
Rock but types found in Altai but  
either not S. or not N. of th., or  
neither S. or W. in Asia. Fung ~~or~~  
having so many RM species & none  
in Pacific Pts. 3. The absence of deciduous  
leaved trees in Altai is a staggerer -  
for the climate is a very wet one, & gathering  
from Provostly that there are more in  
the Koko Nor district, as there are in  
Siberia which should be a tree  
climate: it strengthens my impression  
that it is not only to want of rain that  
we must look for their absence in the  
Pacific fruits.  
I find no relationship whatever between  
the county "in Altai & Mal" & the

Oct 13/78

Dear Gray

With Small & Open bolt-  
away & mail done in Paris &  
Admeton, I am in you my subject  
very busy. Still I must knock off to you  
some smaller for the <sup>in hand</sup> Velvet Report - Then  
"The Worcester Journal", which is not  
published in November - will lose the  
earlier, & my useful R. S. Address which  
is not even thought off of - There is  
Nov. May 9<sup>th</sup> banking & very sadly  
Belgrave drawing, & a trip to Park  
a N 18<sup>th</sup> to be present at the dis. meeting  
of Augs - which I could not get off, as I  
have written to adjourn all duties on a  
Royal Comt.

I have given of Sept 27<sup>th</sup> well account.  
I have been fit the Gordon & sent for 1<sup>st</sup>  
Sept. of R. S. Cat - My make up together.  
I had a walk of Croker the day before

You write - & I have time out - He comes  
out every day - goes to Park, to  
Tea Room at his Hotel <sup>midday</sup>  
Spends time in his shirt-sleeves all  
& Mr. hairy pink shaved! - He told me  
that his brother in California had  
just died, so he must run over  
to Paris speak to his family & return  
at once! - He may however come to  
New or his way through London. He  
was debilitated by the sun, & I heard,  
though only for a few minutes. If the  
time I shall be at Paris do no "summertime"  
in poor Kelley.

I have a letter from Hayden to day  
I opened respecting a drawing about the  
Alaska Report on which I happened  
to be working - but no answer was  
made to it - They evidently have a  
place & I wrote under it.

I went to Edinburgh for a set of their  
American Copepods - Young Balfour did all  
he could but the lot was a <sup>most</sup> perfection  
of - say 3 dozen, so comes 12 or

one Mutigaster specimen. It is too bad. No  
way other than noble returns to Edinburgh  
B.G. has gone to post under Balfour &  
Mr. Nab - the former is simply a disgrace  
to a botanist or naturalist. Substitute  
& Moore's is a great a credit - Both Balfour  
& Mr. Nab are breaking up poor I hear. I hope  
the young man will get the Chair. He is full  
of energy & knowledge. I shall send  
you a copy of H. Gleason's <sup>impressive</sup> Compendium.

Now for Colorado Report - I cannot help  
you with it for 6 weeks so I send you  
what I know about - it is much out  
of the subject - if a map of matter. I return  
with the you copy. Also the most  
interesting part of Chile & N. Amer. fauna  
is N. W. & central America which is very  
remarkable. If you do not get it until N.  
Report you must let me have a copy  
of it.

The contributions I now sent consists of  
A. An attempt to compare Colorado & Alaska  
N. B. I help you with writing it - just &  
simply monotropical. I sometimes say  
Partly Yes of Colorado, & others Colorado again

Oct. 12

plains East of Rocky Mt.; now with  
them & S. Johnson <sup>at least</sup>. That is not  
shared by the attai.

You say attai to the area with  
plains E. of Rocky Mt. And W. of attai  
with our great interior region - the  
first. I have done with O results. <sup>As to</sup>  
the second, do you not mean E. <sup>of attai</sup>  
you say W. - Be that as it may, the  
map of Salini as well as the plants  
seem to be in the attai region, & not  
E. or W. of it.

B. A list of Old World & Amer. plants  
collected by me in California. This  
appears to me a very curious list - but  
it depends somewhat on the accuracy of  
H. Colorado Flora. (Pursh & Coulter) This  
I could not carry beyond Watkins  
Flora. Very few sheets of cuticularia.

C. A similar list of genera which is in  
some respects a remarkable -

These lists appear to me to indicate that  
the flora of E. N. America  
was not common among emigrated &  
established after the glacial period, & had  
immediate origin.  
I had also begun a comparison  
list of the H. species of Atlantic floras

(For Gray & Chapman) of California, K. No.  
California. but it was  
by Abnion & long got to me  
of Sacramento. It's not send it.  
and it may be of no use & cannot be  
finishe the Western Flora is.

How now are we to go on. I have  
tried read your copy (returned with mine)  
& find it to excellent. I have made  
a few notes here & there. I will  
say nothing further you like after  
November.

So Playfair has "gone & done it" as we  
expected.

What a wonderful description appears  
in Series 2 of the Diamond & 2 of the  
Californian Ladias. How foolish enough  
them!

Very Affly W<sup>r</sup> H. Hooker

I shall send the copy to  
our Agent Delvey in some quick route.

Thus beardingly repeat my reciprocation  
but I am sure I did right in all  
aspects. & feel myself relieved thereby  
- To day I began Santalaceae & Gen. Pl.  
to Nathans satisfaction, after arranging  
the whole of the Cypress in the Herb. for  
you. a wonderful collector.

No<sup>r</sup> 178

1. What do you make of Abies nobis. we  
have it in the garden, but no viable  
spermum.
2. I want Nootka. What are the true  
Juniperus Virginiana & (Mad.)  
What are the two we got there?  
J. V. greeni Nootka Columbia.
3. The cones & foliage of Cypress  
sent - by Walker with 7 kinds also  
& Grevillea which I have  
seen. lots of cults? & it always  
has divaricating branches, quite  
different from any other. If not  
sores from it must be C. macrocarpa  
I am uniting to Walker about it.

Dear Gray,

Sept<sup>r</sup> 9<sup>th</sup> 1877 I have noted in  
both "Nootka" & Alder, on banks of  
the stream which I crossed with  
Sipon & Muir. Larch on one  
way to Douglas &c. to the  
waterfall of the Valley. This was  
on the Sunday when you returned from  
Muir's camp. I noted them  
both going & returning - I should  
say they were black larch. I  
think I told you of it & I do not  
remember that you so much  
as surprise.

There are many more than 26  
trees: Tasmanian, beeches &  
plants of arboreus habit which do

not exceed 15 ft.. It is curious however how few middle sized trees there are there, whilst *H. Eucalypti* grow to very big.

Arrived after a Prairie shoulder charr the steppes & render them indestructible - H. Prairie is a great problem.

I cannot understand Chapman making Red Cedar sp. - (chilensis) - he tells me that the huge creature which we saw on the Silver hot Pamp, & with a gigantic curved trunk, is the same as *Loranthus* of Ecuador! which every branches from the tree.

We saw several forms of *Abies* *Mexicana* : Cedar, besides a

conifer. We did not I think see H-glasses form of Zinn Cedars. Which are also here. and which taught tree we came from (Cordoba). You are like bows

I began this diary on Dec 14/71  
know how long ago, when I had to break off & take up the Address is correct, & it is a job with so a most laborious affair. - The reason

of the whole 5 year <sup>intermission</sup> after I had to wind up, & start & H. turned for reducing the fees, which was my last reform. I retired just & forgotten up, with the address at the Court & a parochial spirit at the church. Much goodness it is all over, the giving up was a wrench, & I had got attached to the place H- Office & the duties & Health

written to ask P.

The opposition are cutting a very  
narrow figure indeed, & I am beginning  
to advise the Conservatives for  
their place & for the independent  
way they act up to their  
convictions. Whatever comes of  
it, the war will be the best  
thing for Afghanistan & for  
ourselves.

We really have had a Colorado  
plant but what we collected, &  
some of the new species with Dr  
Griggs from time to time  
supplied us. Of course we have  
many fresh things from New Mexico

Mendo has been very ill, but his  
latter (deserted) - health suffer from  
a vesicular affection. Herman is  
wonderfully well.

Very affly Jr

J. Hooker

I hope I used to say that & on  
but said a day or two  
ago of  $\frac{1}{17}$  you took ~~at~~  
more ~~heat~~, we will get them  
this kind of with pleasure & good  
I fear that Macmillan understood  
perfectly but I wish try him again.  
Harriet lectures I thought very  
well, I should have said so  
I think we have but incorporate  
& it -

Markay & Griscom.  
Mr. May Gray of H. McKim's  
is going to be who I am training  
as an artist - (not the one doing  
the R. Plants). V was pronounced  
well. She is a sort of 2<sup>nd</sup> cousin -  
a Miss Smith. clever quiet &  
industrious - now making help  
for Hon. B. F. Red. I think I shall

have & keep her as a sort of Son &  
Artist. We have an immense  
series of sp.

<sup>Cats of Ned.</sup>  
McK. & son with <sup>Cats of Ned.</sup> little girls &  
birds as in the figure. You have  
helped Miss S. & the copy of the  
<sup>Report</sup> Colorado matter!

I am rejoiced to hear of the  
findings of Shortie.

I have written a speech to  
old Eng. man. I hope he is not  
overlooking ab. Art making ab.  
Mengsini of Mexico didn't for  
Mr. Weston, it is monstrous. I  
have been most carefully studying  
it for Mr. Syme, a young & much  
intelligent Gardner <sup>(at Elvaston)</sup>, who looks ab.  
Mexico & England &c! &  
difficult critics as Engleman.  
We are both satisfied that the  
Mexicans & English are much as.

It seems though the Colorado one  
has <sup>more</sup> literally an unrepeated  
name. The varieties in our Princeton  
are most surprising -

Your box has not arrived  
yet.

We are all well & looking  
forward to the children's return  
for Xmas holiday. Scarlet fever  
has been very bad in our  
environment, & we sent Emily <sup>poor</sup>  
away for a few weeks a <sup>thin</sup>  
earlier. This is his birthday.

I hoped to have written to Mrs.  
Grey on the occasion - but have  
too many offhand letters & got  
off.

Playfair is back, but I  
haven't had time after 2  
hours being without rest, & I have

<sup>base</sup>  
my dear Harriet, practice  
It is too bad, because the  
poor devil has no knowledge  
to deprive her of the credit  
of all that has flowed  
from his speech: - & after  
all it is not a fool who  
would have got <sup>all</sup> that  
was for <sup>the public</sup> service, but of the  
govt. or one, hand & his  
staff on the other.

Yrs aff. M. Weller

Dec 16/78.

Dear Gray,

We have sold many  
of the copies of your Free,  
take out one of Frederick's  
Times. You may send  
more of the former.

You say you want  
Mexican plants - speak

You will bear me I had  
539 sh. 21 April 1873  
I hope they are not lost.  
Can you get me the  
Enclosed?

Hayden writes me  
for the Report! -  
Aspin writes to

Huxley in some way  
about what I said of  
Hayden in my 1877 Address,  
thinking that I am  
taking ~~that~~ am  
taken in by our friend!

I do not care to comment  
Aspin, but Huxley being  
Sec. R.S. I would like very  
much to know if you would  
give me your opinion, to  
show Huxley, that I have

will prefer to work 1 spec. - Maximizing  
well. But you will find a full  
description of Hartie wrightii - & I am  
not strongly forgetful I wrote to Dr.  
Hartie to repeat - he having  
30 specimens! I was long over this  
genus & Whipocodon, very long, & do  
not yet perfect against the misnomeration, which  
would further <sup>put the</sup> that I made at the  
white characters of corolla & stamens poor  
analogy. - Furthermore you will find  
that Macbr. did not take his characters of  
the stamens from the Japanese figures.  
<sup>it is the case,</sup> & because they are big - you'll plant  
with parallel cells, <sup>so</sup> such this is no proof of their being  
big also in the Japanese one.

Now the sooner you make it up  
of studying one specimen of Sigalanthodes  
the better for your peace of mind.

Again looking at Hayden's work  
I would prefer one half the size as  
you intend & even numbers too and  
not involving so much detail of rain &  
forest distribution.

Do you remember <sup>any</sup> <sup>or ever taken</sup> white, <sup>stems</sup>  
fir in California? I do not. Engelmann describes  
Corylus as <sup>with grey bark</sup> ~~white~~ <sup>stems</sup> & says it grows on  
Sheate & Calif. Sierras. I did not study the ~~Sierra~~  
dark colors in Colorado, but does in California very closely.

I have remembered <sup>the</sup> <sup>most</sup> <sup>recently</sup> <sup>you</sup> <sup>wanted</sup> <sup>the</sup>  
fir you mention <sup>as</sup> <sup>greenish</sup> & <sup>yellowish</sup> <sup>greenish</sup> <sup>yellowish</sup>  
in your letter back <sup>as</sup> <sup>greenish</sup> <sup>yellowish</sup> <sup>greenish</sup> <sup>yellowish</sup>  
of species <sup>which</sup> <sup>have</sup> <sup>which</sup> <sup>have</sup> <sup>which</sup> <sup>have</sup>  
white bark. <sup>which</sup> <sup>have</sup> <sup>which</sup> <sup>have</sup> <sup>which</sup> <sup>have</sup>  
many white barks.

With great thanks Mr. Moulton

Dec 17/74.

We shall be the better of  
the outline <sup>map</sup> colored for Rainfall  
& tree distribution. The latter cannot  
be very accurate - but will be most  
useful to Europeans at any rate.  
I have concocted for you a letter  
about water local conservation &  
legislation. I do not think that one  
will think the other will do a bit of  
good. You must deal with the  
letter in whole or detail exactly as you  
please. I passed over it a good  
deal.

The notion of the Govt. sending us  
out is mortally - I am beginning to  
think I can hardly see my way to  
another American trip, with my wife

especially, without material help.  
My expenses are part in money,  
& Miss Palmer, who is my  
Banker & Monetary Director, says  
I must lay by more! I should  
analogically like a trip up the  
Road of California & then on to  
the Groves, to Mendocino & so  
to Vancouver.

I have thought much over your  
suggestion of more names to back the  
memorial, but I cannot think of  
any who would be of the smallest  
weight except Franklin, now i think.  
I only think that our two unsupported  
names speaking from experience & after  
a visit to California, would be more  
signified than a host of people who  
are not citizens, & who have never  
been there. If you think, or find  
that others think otherwise, send  
this memorial & by others except &

I will get back to you of sorts.

I wrote to you yesterday, but take up  
my pen again at your best behests.

Miss Palmer comes to dine with us  
tomorrow - I have not seen her for an  
age.

Sorry to hear that you are to drive  
& shall be glad when your introd.  
is off your hands.

Yours (y 3<sup>d</sup>) (y 4<sup>d</sup>) (y 5<sup>d</sup>) (y 6<sup>d</sup>) (y 7<sup>d</sup>)  
arrived) Yes morning  
it must have had a ~~old~~ <sup>bad</sup> paper  
with it - come Marsh's Report a  
the Survey. The difficulty will be  
in the Suis's case at which the  
Geological Survey proceed delaying the  
Geological & disheartening it.

I have just got the report of  
the sale of the copies of the Flow here,  
it is 7 at 25. I understand that  
more have gone off.

Your criticism on a Gen. Plan is regret to  
shortie is not fair - you imply (I hate  
impostors) top of h. 485, that I judged all  
the descriptions to stutter & now if you

itself; the wilful waste of it,  
will be followed by woeful wants.

Happily the preservation of the  
~~Waste~~ <sup>Waste</sup> of California, & the  
conservation of its Forests ~~with~~ <sup>with</sup> of  
the Redwood & Big trees cannot  
be depreciated. The desirability  
of setting apart & leaving in  
sites of Nature, <sup>a much larger</sup> ~~Red wood,~~  
area of the great Southern  
Big tree <sup>especially</sup> ~~Red wood~~ Sequoia forest, than that  
dedicated to the northern  
<sup>of the latter tree</sup> grove, is universally desired;  
but any attempt to isolate  
preserve such areas, the trees  
<sup>incircumferous</sup> in such areas after the  
environs of forest <sup>is</sup> ~~have been~~  
swept away, destroyed with prove utterly  
futile. Isolated patches of  
Virgin forest in mountainous

Dec 1871848.

My dear Grey

I think with you that it  
is time that we jointly call the  
attention of the Government & people  
of the States to the disastrous  
consequences ~~of~~ <sup>of</sup> effect that will surely follow the  
devastation of their forests, & those of  
the Pacific Coast in particular;  
& considering that this would  
inail the ~~disappearance~~ <sup>disappearance</sup> of the  
primeval grove of what are  
certainly the noblest & perhaps  
the oldest trees on the globe, the  
Red woods & the Big-trees, we  
may be ~~sanguine~~ <sup>in favor of these</sup> to hope that  
our appeal may have a double  
weight - may  
it ~~may~~ <sup>the</sup> ~~express~~ <sup>express</sup> that

we indicate the Western Forests in particular as objects of national solicitude, mainly because there alone there ~~exist~~<sup>are</sup> major trees can be found; but such is not the case. We do so primarily in higher ground, & because the welfare of the Eastern States is inseparably bound up with that of the West, & because the latter ~~States are dependent for their water supply & hence in their~~<sup>water supply & hence in their</sup> fertility, upon more restricted & more easily disturbed conditions, than are any of the Eastern States of the Union.

California is already famous for the number & variety of mineral & vegetable products while the eastern half of the continent are almost produceless. For the continuous supply of these ~~products~~<sup>resources</sup>, this state is

absolutely dependent upon the continuous & abundant supply of water which it now enjoys, & this supply is contingent upon the conservation of two ~~stripes~~<sup>stripes</sup> of forest, one skirting the Pacific Coast - the ocean, which is the abode of the Redwoods, the other occupying the western slopes of the Sierra, which is the abode of the Big Trees & sequoias. We have witnessed the disappearance of these forests, proceeding with great rapidity & we have lost an unparalleled treasure. The Great History of our nation & country; which, if completed, will inform us rendering that fair State the scourge of ~~other~~<sup>disastrous</sup> alternating floods & droughts - what with regard to the timber

regions especially, never last long. Ships - taken from the elements they are soon wrecked & ~~other~~<sup>than</sup> that the elements share become the prey of disease & parasites as surely as fever attack a famine-stricken people.

In this case therefore the greater & the less objects are practically one, & their attainment should present no great difficulty & should be at once attempted. Much which is accomplished <sup>under</sup> European supervision - the malignant ~~from~~ <sup>reindeer</sup> insects of the Indian tribes, cannot be attainable in the health-giving grove of California.

What is required and is now  
imperatively demanded  
is the interests of the States  
is a system of forest felling  
by selection & planting &  
repair kept under State supervision.  
America regrets the absence  
of such ancient monuments  
as London poplars. It will,  
if she takes no heed, soon  
be Europe's ~~turn~~ to join up  
her own. That  
monuments as grand & as  
interesting as my ~~the~~ the  
Old Waller tree, boasting, have  
been wilfully & wickedly  
demolished in the New.

Very truly yours  
W. Walker

This is the third copy - &  
I can't make it better. May  
deal with another to you  
shortly after.

Aug 2/79.

Dear Mr. Watson.

I do not find in the  
groups of Amaranthus to  
the W. of cliff. What you were  
so good as to send me,  
grey Chenopodium

not / from San Diego - it is remarkable  
for being so very few orders  
I find any 2. but - don't step the  
way.  
I sleep at Lakeview, in an  
old wheel tentable. & Ansett's  
green Clothing. what I  
met with Glycine &

Reanted edition I sub-  
mitted to Review.

· by myself will  
be the. winter of 11-  
now year.

J.W.B. Hooker.

Please to any one I will  
always be most happy &  
glad to receive of my  
review of Monocotyledonous  
orders as answers to  
you. Please.

Other work <sup>one</sup> to a grade  
of Gymnospermae is the  
flavor as not - what is  
a species. The botanical  
flavor is remarkable.

I have now deposited every  
species & may ~~Thomas~~ Sherman,  
of Gymnospermae, a considerable  
the work group.

Wrights-Texas 589. To  
my interest having members  
& the grade I make a few  
several Dicroidium j 2 lined  
in the species - I wish to  
receive.

which has reduced him to the  
last state of weakness - You may  
suppose how anxious & worried

I am, & what "Gardens" work this

thorn in my hands. - We hope

he will recover from this, as he has from

previous attacks - but this is the

third in 3 months! & by far the

worst of them. & the result is quite

doubtful - He is now fed by injections,

We have had the best medical

advice. & there is no doubt - but

that he will be carried off suddenly

& before ~~any~~ many years, at the longest.

The agonies of the disease are indescribable

He rolls off the bed on to the floor & crawls

like a rattled snake - His heart goes fast

days together like one of his rabbits was his

Dear Mrs. Grey

Dear Mrs. Grey

I have your post card -  
You have paid for the "Gordon's  
Review" & have nothing  
to pay for the Anti-S. Paper.

You must give me a tenth  
what more to "peach up" for  
you - little the last  
12 months I have written an  
Anti-S. to be anti-slavery & abolition or  
anything. in fact

Aug 5 1879.

J. W. Webster

R. S. Adens, R. Asplenius,  
Section - ~~This~~ supplement to  
the Moroccan flora (which I hope  
you have received) & the  
matter already sent for Herder,  
which cost me a regular  
rounding up of Siberian Flora  
& the Californian & files of  
tentative tabulation. -

Now I have got to work again on  
Indian Flora & Gen. Plants.

I did want to go ahead with  
that. I thought that the  
body of genera needed defining ~~more~~  
together with a dash of the old misnomeristic  
& the matter of which you  
sent me the specimen, <sup>color</sup>  
which I understand you ~~had~~  
grouped up at will - would  
have together filled out  
the Report - - I'm per <sup>know to some</sup> the  
public material, would be  
a supplement to the Indian  
Flora from Brandegee.

Now too I have Smith very  
well under <sup>my</sup> hand: with  
anyone lectures & subsequent writing

JAN 6 1870.

P.S. I have bought all  
Gordoni's before Sherman of Pine, Pa=  
~~John & Co.~~ - on my own hook, as  
we have no haunted our grant-  
July 21. including a copy of the  
Pioneer Ed. II. which I shall  
send to Sargent - This a very  
fine collection, but I shall want  
to sell what the New Museum  
does not want (a large proportion)  
Can you stand my terms at all?  
The British Mus.<sup>m</sup>. Shantle has  
bought them - they would have been

worthy £50. & I - but <sup>his</sup> brothers,  
who came out "trod on poor old  
mother's toes" & the old fellow would  
not then have let them have them  
 gratis after that; then said they  
should go to B. M.! - The old  
man is his dote.

Picea

Every corner & tree specimen I've  
seen in ~~Nevada~~ & bracts collected  
or almost (perhaps altogether)  
includes. I do not think it  
goes into Oregon, at least we  
have no specimens.

Then with regard to the Rocky  
Mts species we have

1. *P. concolor*. I find no specimen  
from Nevada & feel sure  
that Engelm. is wrong about this.  
We have it from Frasier (8-28.)  
to Veta - Pikes Peak Mts. Colorado  
1. Colorado. Engelm.
2. *P. Pungens* for we gathered down  
at Manitou (or is this tubalpina?)
2. Montana. Mts. - Harrow

2. *P. tubalpina*, more like magellanica  
in foliage than concolor.  
Kelloe cabin. leaves glaucous & acute.  
? 2 side of mtns. <sup>on Douglas spruce</sup> all up to  
Chreston's of 4000 ft. Brantley  
cone small & scales rounded.  
Bracts with sharp points (but  
no sharp ones.)

Fig. 9/178.

Dear Gray

I have had another  
fight over Piceas with Mr  
Tyson of whom I have spoken  
before - (Barrovi had men  
at Shasta) - & he has opened  
my eyes considerably. Though I  
am as yet not clear as to  
all the species.

Jordan specimen, which can't  
have led you to bryophyllum, must  
be some bush.

1. *P. amabilis* Doug. This from  
Douglas specimen is the coast  
plant which extends from  
Metlakatla to Vancouver. It is  
very blunt, with leaves broader toward

~~small~~ - hairy branchlets & a  
small cones.  
~~thin~~  
of a plant  
it is quite  
easy we saw.

We have plenty  
at New -  
England from

*P. grandis, loricarpa, lowiana.*  
There are two species under these  
names, but I do not know how  
to distinguish them dry - nor have  
the names changed so. Some of  
them are robust. My feathers  
found loricarpa and species  
of Douglas - which I began to  
doubt. <sup>but</sup> *P. nitida* for grandis,  
the cones are quite round & very  
heavy to my feelings. - it is a  
short & more shiny branched  
plant than that called loricarpa  
in the gardens. I think was first  
introduced here & is often  
called Serraria: we had such  
a lot.

*P. lowiana* (Luiscocha Port)  
This is the fir we got so abundantly  
I do not find it now. Not the  
region of it gets so far, & I doubt  
if Douglas ever saw it. - We  
found it all along the range  
from Calaveras to Shasta. &  
so have others, the <sup>bracts</sup> are  
always included:

1. *P. robusta* - with erect <sup>bracts</sup>  
replaced ~~cones~~ - from region  
between - This we never saw:  
in rounded ~~the foliage~~ <sup>at the</sup> top of  
mountains <sup>but</sup> ~~the~~ leaves are shiny, flat & grooved above.  
2. *P. magnifica*, the most robust  
of the lot by far! & it may even  
you may unfortunately recognize  
it, the leaves being <sup>very</sup> grooved. with  
flat bottom with a <sup>groove</sup> ~~groove~~ - I  
cannot conceive how one  
overlooked a character so obvious in

There are but enough identifications  
as yet. I have  
Cerophaera seen  
are being  
rearranged in the Museum - under  
my direction. - I have turned up a  
whole lot more in the Museum  
drawers.

Aneath Marie, I have written  
2 Decades in for you paper on  
a prof, if not printed off - not  
for my own sake but to see if  
you have referred to Maximowiz  
second paper. Our late Japan  
arrived an acre ago. The huge  
load of things not yet distributed  
that accumulated while the  
new building was in progress. I  
will write again when I get  
the paper.

I am so glad that you like my  
last R.S. address. It was a sweater.  
So far I get the Sauveteria

sample map - I will ready  
you.

No do not

~~trust~~ ~~trust~~ me

x about the Betula. I had no  
surprise of this at the time.  
not Sibir. The shot over the  
gully we crossed going up the  
Darbyton. Some ~~are~~ <sup>one</sup> here south  
in the Calif. Park found with  
what was? Bailey trees -  
Yes I heard of illness of Sibirians

I wrote "pecunious" not "penurious"  
in imitation of dear who delight  
out of the way and.

What about Hayden's report?

With kind regards to Murphy  
but regard to Watson &  
she at Cambridge

Very

J. W. Moore

I hope you will excuse  
this. I am very busy.

Bivalvia & Coelenterata

Can. in. Brachy-  
~~opifex~~

P. Stohler.

Reutmann agrees with me  
about your paper going back  
to you.

Romey 27/79.

Dear Gray

I send you your  
ms. of Shantz & Frost, having  
told Deacon that I would  
do so, asking you to return it  
to him with all possible speed.

You have overlooked Maren-  
marijs' description of the coelenter-  
aceous of *S. amphibia* (Mol.  
Biol. Acad. L. C. Natl. N. Bel. IX 450  
(1874) founded on specimen of  
the very Mr. Framberet to whose  
collections you attach as papers  
containing it! -

His description will however  
alter your generic character

as to the author! -

Was not your article very  
nicely written? I do not quite  
like it's going to <sup>not much</sup> ~~the~~ Academy  
~~in your description there~~  
of Sciences. I think that  
Macmillan's paper should be  
my <sup>full</sup> ~~greatest~~ ... you gentle and even  
over & too bold. (Send back  
I suppose!)

Then again the sentence  
about the superiority of the  
American plant is clumsy &  
hard logical it begins by  
implying that the old man  
found it, & winds up by saying  
it was his son.

Are you clear about the

prophet of a tribe Galanicee?  
I thought Bernuccie went  
by way of an intermediate  
between Sayeedah & Culic,  
& all its' characters are not  
yet known. This presumption  
you & others go to on your  
own ground, but I should expect  
Mr. Chinn will produce more  
evidence Dehucciee & perhaps  
more even, the tribes & subtribes

Please if it pleases to  
you Shuttle, it is my pleasure of  
you. I think I can read the  
name of J. confusa, but am  
not sure. I think we have lots.

I have picked Rosie! It is  
next down to Pedetes of the  
Homoptera. Batis beats me  
& must remain Baticidea. Dwyer

a blunder of R. Br. - The Einbog of  
Dyspharne is nearly straight on one  
side of the nut. seed - a very  
abnormal character in Chenopodi.

I am deeply sorry for Cogelman,  
which drops him in line 2  
completely.

I hope that Ryden will  
succeed. I am writing to the  
President & sending him copy of Address.  
We called on Mrs. Pfleger last  
week. They are still at a Hotel their  
room being furnished. Their son was  
a capsule box of plants & pieces  
of wood from whom & Saenger  
her job arrived. Many thanks.

In sympathy

J. W. Walker

Mrs. Pfleger has just sent me five  
seeds of Amenia Veneris on her

Please excuse me  
for troubling you  
but it seems  
that it is

the way

I can do little more  
than thank you for series of  
14<sup>th</sup> & 17<sup>th</sup>. first received.  
I much thank Shorter & Co. to  
you to count my blunders  
& omissions - I do not suppose  
I could have had N-  
1874 part of Mac. Rick. When  
I did the order, I - date of  
vol. II. being 1873-76. - I have  
however no time to trouble of  
anything but poor Smith's  
state which is very bad &  
there is no helping him soon

Mar 3/79

The bed may come. He suffers from  
thickening of the ascending aorta  
& dilatation of the heart; also we  
suspect an aneurysm of the  
abdominal aorta. Add to this  
constant derangement of liver  
& stomach. The agonies of the  
angina are fearful; he rolls off  
the bed on to the floor & presses  
his chest against the floor. This is followed by 12-36 hours  
of constant vomiting. In the  
mean time Gardner Adams action  
is very languid & the  
fight for <sup>earlier</sup> opening of the gallbladder  
is coming on soon again in the  
N.Y.C.; a measure which if

carried will require a complete  
reorganization of the establishment  
& putting it on the footing of the  
Public Parks. This was now  
difficult enough & such order  
cannot get the filthy垃圾 of  
the universe, who are sending  
their parents to "the end of the way"  
& the particle-seekers from  
London, was paid in. The  
nearest dumpings shot, & who  
would be free bathers in  
Piermont Park. If it was a sensible

This morning too we hear  
that Peppi has been ill at  
school since Wednesday last, &  
my wife has started off to see  
her at a private meeting.

Thanks much for Sundays; I  
have been riding at the Chesterfield  
- they are dreadful. Fancy my spotting

The growth to the Stygian is most anomalous. If true congeneric from the earliest period - it is called white & light colored. It is so called because water to men like this & inner lining of the pericarp & conducting tissue. This like as noted on Larcher is from examination previous & consultation of plates & detailed descriptions of other Sileneae & is valuable for the periods.

Find very much other on stones under & scale.

Very aff.

J. Hooker

I have found a species of Silene, but the species you sent were most useful. Not all right.

As to Silene & Succowia, I have third fourth till confirmed. Mean that Nigra is several <sup>types</sup> silene for the Silene has

dark grey

Year of 21<sup>st</sup> just arrived. Writer to Engelmann while I return. I need not say that I suppose in the letter of mine to which he refers, ignored his paper: my object being to give the results of an independent study of the New Princeton, Hab. Hooker & the Gordon & Syne.

of Stewart's conclusions. - The latter is a very acute man, & I have some good criticisms of his on Engelmann's work, which

March 57 '49.

be greatly respects & admires, &  
criticisms  
which I expect to send to E.

I shall write to E. & making  
no allusion to having seen his  
letter <sup>to you;</sup> tell him that I have -

after going through all the new  
material <sup>as above</sup> & ~~in~~ books -  
specimens <sup>in</sup> ~~with~~ ~~in~~ ~~books~~  
~~this~~ ~~then~~ ~~without~~ ~~purposes~~  
~~ignoring~~ ~~me~~, I have found  
various salient points to him, but  
not on all points - e.g. I  
cannot reconcile our Pierre  
plant with H. d. M.  
concolor -

My little boy is better, he has  
had a most attack of continued  
high fever, headache & fits  
& much, with a many of pectorice  
on the legs - & is much reduced.  
The doctors cannot understand it  
- which is a most healthy  
place - Margate. My wife goes  
again tomorrow to see him

Small continues desperately  
to & his suffering are horrible  
to witness - I feel quite  
broken down - he has been such  
a friend & only some of his  
word.

I am conversing with  
Walter about Quercus & park  
cards. - I am busy with Sambucus  
digel I cannot make out the  
Sparsatus - & the old elephant at home of

*Hemiphyton* - (which Horne & others  
not alive p 1) - Denham's plants  
were lost in the Brit. Mus. for years -  
Remainder buried up when for those  
in vain, for me a propos of Dasyaceae.  
What do you think of this can't Endeavour? This is a <sup>a small one of about 2</sup> Prostheca paper.  
I have nearly done Sabiceae Chrysocoma

I wish I could get my young Sandpaper:  
I include 2 March the 4 ft. naked &  
the wing to be a production of the  
perianth. Moreover the adhesion of  
the perianth to the ovary is closer & far  
than in Imperata & Pyrenaria Cogn. I  
make it a tribe of Sabiceae after  
Schlechter. Renge's work is admirable  
though his Brachystelma - Have you Brown's  
Dysphania? a most curious plant.  
- He is actually wrong in classing the  
entity - which is almost naked & the  
seed healthy like Urticaria: - The plant  
is a puzzle - We shall have to make  
an order Litmerieae, & keep up  
Batidaceae. Basellaceae I make a  
suborder of Chrysocoma - characterized  
of which <sup>equally</sup> Basellaceae bracts.

April 14/79

My dear Gray

I have yours of March 31<sup>st</sup>.  
& am delighted to hear that Pt.  
of the Test book is off your hands  
& head - I shall be very glad to  
see it - I have been busy as  
usual since I last wrote chiefly  
with garden matters, giving all  
spare moments to Chrysocoma.

Smith is up & about again!! In  
the asternament of Lucy one, back  
looking very white & we are still  
worried that he may be called in  
his last account at any moment.  
Still it is a great comfort to see  
him at his duties again.  
On the other hand my wife's father

Has been very ill all winter with heart disease, & is now in London & very weak still. His case is "Praecordial Asthma"; & last week he had an attack which we thought might be his last - he was a strong man last spring, & has worn thin steadily. My wife is in great distress, aggravated by her brother being near or his way home from New Zealand. Besides the consumption with wife & child Mr. Grieves has paid her house at Rynd's Wharf (she goes tomorrow to St. Ives) & she will stay there for some days till he can be removed to Pendlebury.

Yes please pay for us, & either he or you can send me a bill as you like.

I have just written again to poor Captain, who writes in very low spirits. (and sign & direct)

I have sent you copy of a long interesting letter of G. Sykes on the young & old Pines at Morwath (Glossop) - E. still makes over Sierra Pine (Lorovaria) to be concolor! - if this be so the bark must go for o.!

I am delighted with your notice on Pokemontree in falla - it is to celebrate Thoreau's out - but it must have been extracted from Marcos book would have fared better! - one would suppose that all the world knew about <sup>the other</sup> ~~it's~~ place, whereas it was a problem to be solved in an abstractly novel introduce & most incapable country. Blame not the last 5 lines he transposed to end of article 5? -

Neither will you be pleased at the remarks on Mr. "Notes on Captain's science" they deserve all the praise you give them. In the face of it - Wineer <sup>thus</sup> exists on writing Brown's Sidney, a reply <sup>of budwe</sup> Hempstead, though the description was so sketchy that I suppose the plant to be <sup>genus Heperia</sup> Heperia & open to another (Muscarioides.) In "Gen. Report" I suggested

We have had a blizzard winter -  
but are none the worse for it. -

I am very sorry Miss Harde is beaten.  
I do not think it fairly played at all, &  
he will have much sympathy in this  
country. No doubt he has had  
enormous luck considering his want  
of education & knowledge, & been  
raised to a position far beyond which  
his attainments justify: but then  
his labors are beyond all praise, as are  
his large-mindedness & the uses to  
which his means were put, & his  
energies, & I believe <sup>his public spirit was genuine.</sup> (though his conduct was deplorable.)  
I do not think that those who precipitated  
this have any thing to be proud of. There-  
-are not.

Thursday just back, I have  
not seen them yet:

Dr Bay has just published  
a Prince "Botanik" in which he has  
described the best cuts of my Prince  
~~without~~ <sup>and</sup> extremely well.

Dudson has got the Edinburgh  
Chair, the largest fellow in ~~England~~ the  
Whole Kingdom - Young Malfour with it is

In Oregon I am working for and -  
in the mean time like & name the  
Chair to the further it has not  
been since my father's time.

McNab is his opponent, a man  
who will never do anything is  
a teacher. With the Herbert,  
& with a Gentleman I feel

I have just been re-reading  
my father's "Alaska": what a good book  
it is from its style & written chiefly  
from memory! How much I'd  
seen & the same groove (had  
Paris before). How I wish he could  
have seen Yosemite.

I am actually in Sargent  
debts & have been & write  
to him about.

With much love to McGraw  
from an old. friend

J. W. Walker

going & drop the "Grace" with Doctor  
if I approved, viz. I did not, asking who  
changes do the Birds - I answered that  
I had been up here next year & the  
idea that the "Grace" would go on - &  
that he should do ~~some~~ Birds  
because 1 of the commonest literature, which  
we at the Haber Villa undertaken is to  
say I could not here & I because no  
~~had~~ completed & long ~~overweight~~  
~~had~~ an order, generalised by ~~their~~ numbers  
can a great weight. So if he finishes  
them I shall have done a public  
service - we have had long  
discussions over Conifer, & like his  
arrangement better than ours. I had  
by thought the Taxonomic grouping  
very faulty.

You did indeed Curtis' fence &  
a few length bills (\$20). - as you  
have not kept in city I will send

I want Adams' book,  
Cph 16/75

My dear Gray:

I have only rested as  
recovered from a month's visit to my old  
Indian friend, Su". Lucy (wife of Lucy C.  
is Mrs Strachey's sister, & very unlike her)  
is staying here - who <sup>had</sup> most hospitality  
asked us to bring the 3 young Charles  
from Government with us! The  
weather was excellent but the  
country lovely, & we enjoyed the  
quiet country life amazingly.  
The house is a fine one, on the very  
bank of the Forth, some 5' West of  
Inveresk & 20' East of Stirling.

From Aug 15 & 17 followed us  
there - with Mrs Gray's most capable

June 1st - What a narrow escape  
you had!  
It makes me <sup>"</sup> feel better for  
you both. I have sent it on to  
Dear Church, who however may  
not yet have returned from the  
Continent, whether he was going  
back as we left for the North.  
As to oxybaphus it is clear to me  
that I have been more than it -  
- liable at one - that is the  
objection. It is too late to reverse the  
judgment. The hail storm that night did  
immense & the labor it has  
entailed on all hands is grievous.  
not merely <sup>amount of</sup> the damage done to the  
plants, & the great difficulty of  
striking them away during repairs,  
but the labor & worry of getting the

repairs efficiently so carried off, contractors  
not employed by ourselves, & the  
superiority of so many hundred  
parties, flogies, carpenters &c, many  
of whom are idle, or indolent, or  
careless, & most none of whom  
care a cent for the plants which  
are indeed very much in their way.  
I am now back in hand full in  
my absence & got on to traying well, but  
there is still a vast deal to do -  
& there are right good areas of  
correspondence to work up -

I find Gertrude wonderfully well,  
& busy at orchids for the Plantation  
my solicitation. We have already had  
some very consol. about the flowers.  
When in Scotland he will soon get

Cash.

Aug 26/78	Mc William's charge	\$ 20. 25:
Schol 26.	A. H. Curtis fac i-	20. 00
	Frost's Fern	7. 50
	Bright. L. N.Y.	75
Sept 20/78.	Curtis Fac ii	20. 00
		<u>\$ 74. 50</u>
	- Deposit - from Harde	50. 0
		<u>\$ 24. 50</u>

What a delightful cousin you see &  
how bad is the Virginia Nut. The  
grey amount of the sumach & the  
Kalmia & Rhodo audience made  
by mouth water. I should have  
so much time to have seen the  
Abies, Spruce & Pines of Michigan.  
By the way I am so glad Ned  
you have induced Hartman to  
take Abies & Picea this trip. I failed  
in the attempt, though I made  
your argument (Cedars & Larch)  
so good Geaelle, have you

any suggestions thereabout? just  
have the benevolent place at  
P.D.C. & let me know if my  
sugget itself to you - Now I wish  
I had time to work over and  
over this do - But we are getting  
tired up with administration business;  
all the India Museum vegetable products  
is coming here, will I ever complete  
the Museum, I can't even an amateur  
contribution to be honest of keeping the  
herbarium up, reporting <sup>the</sup> &  
the stories of one of their <sup>unpublished</sup> officers  
Corke the Bengalee - who was <sup>profoundly</sup> ~~dead~~  
in fact - chair of the Berkeley & then  
Bengaline Herbarium.

With love to M. Grey,

W. W. W.

W. W. W.

now take up Palms. Brewster is  
deep in orchids. In with do others  
well.

Oliver has run off you there is  
already a Leptochilus in compactio.

I am so glad that you have been  
down your Avenue Camper. I can  
doubt none. -

We are tremendous busy in the  
Garden, still at a disorder though  
the Rail damage & extent of the  
repairs required. Now to the  
Indie Museum vegetable products  
are on the move to us, what will  
require a complete rearrangement of  
all the Museums just as from Dr.  
Wood get them into lower order. -  
(a 12 months work) - Smith is  
much improved mentally as well  
as bodily & we are often in great  
difficulty - he has been some time  
in heaven. - In return the who I am

Oct. 28/77

Dear Gray

Thank you for asking Mr  
White of Wif. Moulton send you  
the long fragment of silicified  
wood - It exactly resembles  
what I <sup>say</sup> found in Tasmania in a  
lava bed - both in respect of  
the beautiful apertured center &  
Cinnabar-like cortices -  
Fascia - I happen kept a nice  
specimen of the latter for microscopic  
purpose & have sent a piece  
to Mr White & return. My  
best.

Thank you for the sketch of  
the sketch of "Calvary" (sic vignis),

which I shall write to you  
you about. I shall publ  
it in my forward.

M. Skinner will take auf  
Antoine & a copy of Ed 2 of  
*Gordius* will come.

I am rejoiced that you talk  
of England next year. I would  
go to you if I could have left  
Bentham but that will be  
impossible. & both Gen. Plant &  
Hig. make prep heavily upon  
me with the latter I am & the  
middle of Rubicidæ & just done  
Hedypidae. I have not much  
to add from the "Genera": really  
from the "Arctis" point of view  
I could not do better than  
keep up as I do Hedypidae, Odonata-

etc & Arctis. I however bring  
Allopharne & Frypnoma into  
Hedypidae. & keep them up. The  
purple <sup>yellow</sup> species & intermediate cases  
with bared ovules, & such cases; the  
letter for the *inflata* & various  
leucostoma cases with velocity great  
enough & enough stejnegeri! - Ruth.  
The fact is that Hedypidae may  
be knocked into one genus without  
violence - & so may many others of  
Tribicinae - Walker when gets all  
his types after instances out of the  
keys to the "Genera" - intends to  
reduce the Tribicinae to two genera.  
- a very easy job after the characters  
of the <sup>330</sup> genera have been worked out by others in  
- In which case he has then  
order without losing all the species.  
Indeed the "Genera" Walker  
just finished "Oscadidae" & must

Many thanks to Mr.  
Museum! - You will be  
acquainted with Mr.  
Museum when you  
return to Egypt

sure to do his best - but I do not  
expect much more work only  
of him. & to shake never  
set another so useful a man.  
There is a lot of having a Garden  
& Museum students, in which under  
proper restrictions they may plant  
& cultivate. The Kadi would give  
£ 2000 for extension of the large  
Museum, & £ 200 for annual fee  
between the Gardens will bring  
up to us in prospectivity.

Miss North offers to give us her  
paintings of flowers & botanical  
subjects & build a gallery & then  
at a expense of £ 2000 - to have  
flowers & the labor of administration  
increases fiftyfold. It could afford  
it I would very & worth all the  
trouble like Nutman! - What an  
aff. Nutman is not to be contented  
with his part in both Botanical  
work & give a few & almost as

By the way, how would you make  
his little work on Tulipa  
plants; - it is unintelligible  
& full of anticipations - The catalog  
of Tulipinae shows - well, look at it.  
& the illustrations of the incomplete  
works render it a hopeless meddlesome

My concern troubles me some  
in Hardens Report - What  
can we do? I would a curious  
Colorado Catalogue to go on?  
I would get Porter copied in  
single paper & publish having  
room for magazine notes &  
illustrations & go to print  
it with you ready-to-hand  
immediately - What would work  
up the affair! - Then the  
names can appear with  
high & genuine credit.  
"What do you say?"

Comparative letters S. & Mr.  
Brown. - Have you read  
what I sent you about the  
Alas. Flora, I think it  
was a curious point to  
have established.

I'll see what more I  
can do than I can - I fear the  
annual American Paleontologist  
is all against him.

I must close now  
by will give you  
a copy of my

pt. 1 of the Flora of  
S. & W. America of Goodell &  
modern so delightful I am

~~a Geronto-gee~~  
~~an older bird~~ is visiting ~~the~~ Negees.

I am delighted to hear that Farlow is  
doing so well, I wish I could keep  
up a general knowledge of Cyprianian  
Botany, but I feel, like my father, that  
I am daily getting into a narrow groove.

Bethune & I have talked long &  
much over the review of your, Strick  
& Murphy, Betsy, - but the further that  
neither of us are competent to decide

justice - & Iyer is retained in the  
"Nature", & no one can do it better

He is up to the mark, which we are  
not. We will help him all we can.

I am astonished at Playfair's "treating  
you as specie vicious". He cannot be  
sure that what he thinks matters  
<sup>"in the making good men & providing general culture, &c."</sup>  
you are wrong & speak with us, ~~about~~

Perhaps we have no such man as  
I am "the mere physics" amongst us,  
or better chemists. Then you have

By air means just as close as  
a set of St. Croix Islands. The W. media

Mar 28/79

My dear Sir

You may guess how glad I  
was to get yours of Nov. 10<sup>th</sup>. When  
I tell you of a frightening scare we had  
some 12 days ago - A telegram came  
to Dyer from the Office of Watson, to the  
effect that you were reported deceased &  
she was asked to send a biographical  
notice of you! My heart beat at  
almost every part, & I came down in a  
funk very musing fearing I might  
find a letter to the like effect on my  
table. Still I felt sure that Farren  
or Watson or Tupper would have  
telegraphed to me.

Well, all's well that ends well,  
I am destined to see that the

-book (I hope the name)  
Corripes is embroiled - It was, as  
you say, Gordan's City & took for  
Gordon ~~his~~ was complete, I am sorry  
that I sent it.

We are very busy with the India  
Museum collections, much wagon loads  
of trash, bales of cotton, sacks of  
cotton, traps of fibers, that have  
never been opened, showing a  
numberless varieties of labor, money  
time, & also nothing. - No wonder  
the India Govt is disgusted with  
it - We are distributing largely &  
there have many holocaust beside

I don't think Brewster's  
suggestion of the Anti-Slavery of the  
Gordon carpet is a very serious one  
with him; it is quite "beneath the

mark". You will be interested in Mr  
Wards research on the Indian ~~and~~ <sup>Government</sup>  
vehicle - to be published in Linnæa in  
May. He, that blessed body (the Linnæa)  
has got in a nice map - Allman the  
most charming of men has proved the  
most useful of Presidents, & neither  
Officer nor Comptroller has done

Brookhaven, by doing the work of every  
Officer himself, <sup>for so many years</sup> shirked them all! They  
are crying out for me to take the  
Presidency, but I certainly shall not.  
now, & never should with such a  
lot for Officer & General, <sup>as allman has at rooms time</sup> Cornley is far  
the best, & rather than the my trouble  
me; but he is ruined in his legal  
business, & has no time to attend to  
<sup>me in Suffolk County</sup> the Linnæa lives at Blackheath & we will

Yes, I will try & do the comparison  
between Europe & Asia, about which  
I have thought a good deal. &  
which is I think my masterpiece. I  
will also try the sketch of what strikes

Berwick. Maria is working away at  
the "School of Mines" (Physics & Geology  
<sup>this winter</sup> & Microscop) & keeping up her Algebra  
Mathematics &c &c of the Faculty, B.C.  
Exam of M.L. imminent in July next  
- a very hard thing indeed - she has  
possibility & fair application. As  
she wishes to be a Chemist, it is of the  
greatest moment that she gets the  
B.Sc. of L.U., which is a long way the  
most honorable degree in Britain.

Reggi over well at school. & Maria is  
at a small school of girls at Kewford,  
very happy. Joey is a very forward child,  
& a regular infant Hercules for strength.  
- a sweet tempered boy, & has a keen  
eye for plants

Now with kind love to Margery is  
what my wife sends & regards best friend  
her my dear live long

Can you send me a barrel  
shells & telling me what  
is there or would  
you like me to  
send you some  
fruits & flowers  
next spring  
thank you

Truly yours  
W. M. Morris

Friends are miserably ill & alone -  
I have often thought of you &  
I walking in  
mountain peaks of one such as  
Dominica, (perfectly accessible) - We both  
would easily bag 100 new & good  
things.

I am sad to record Captain's debt:  
I like his new grouping of Pines very  
much, I was prepared for most  
of it, having been studying them much  
lately - I arranged <sup>also</sup> the ~~Westmoreland~~ <sup>Crispina</sup>  
for Bentham's work, & correlated  
them with the Garden Sherman. I do  
not know when they had last been  
arranged! They were in "sublime" state  
of nature!

I have done yes for Gen. Plant.  
Can any of you condescend send me  
half a dozen plants & some seeds of  
your Southern Jamie?

In Christmas still holds to a  
rare barkless Abies (concolor) abounding  
in the Sierras, I stick to it, that we

saw none - & nothing did we see as  
the pale backed ones, but neither  
did we see any <sup>in the Sierras</sup>  
like the young condors which we  
<sup>growing</sup> have at Kew - or like the back  
of condor which Mandyan sends  
from the Rockies. We got magnificus  
subtilis & griseus in the Sierras.

Condor (& subalpinus?) Colorado -

Benthon's prophecy will make  
him rich; it will be a capital work.

I suppose that Water will overhaul  
Babie's <sup>for the Alpine flora.</sup> Libaccus, he seems to me  
to have made some intolerable mess,  
removing Calypso from Luzuraria!  
(into which latter genus he, following  
Kunth, puts my father's good Calypso  
polyphylla) into distant tribes!! during  
the time you know of both works  
& omitting Philiae & Luzuraria  
altogether!!! - The whole bunch  
works working up again.

I should so like to see your new

Libby & see it! Do you sit there  
the evening with Mrs Gray?

The R. I. meeting has been open, &  
I feel quite lively out of the chair, where  
I do not enjoy Spitterswoth - though I do  
own to looking back to my Presidency with  
great pride, & think I may conscientiously  
and without self-conceit.

We are refusing all invitations &  
living very quietly. My wife has taken  
to completing the catalogue of my  
father's correspondence letters - an  
affair of 44,000 letters, that has  
dragged on for now 15 years! -

Berkeley came at the other day &  
deposited at his Range at Kew.  
Winded himself up, & has been in bed  
with great ease since - I am always  
alarmed about him.

We are all remarkably well. Haven't  
you heard that Harriet has given me  
a son - some 3 months old - she is very  
strong, though not tall. Charles is  
working out for a "practitioner near

Wally as "Belated to the Field Party!"  
an appointment that sanctifies  
the Afghan campaign! The  
India Govt., unknown to me,  
sends Mr. Brown under orders to  
put himself under my direction  
to see whether I should be  
gratified. Leyland is sorting the  
collections & it is to whether  
I should be reappointed to  
Afghanistan that I am writing!—  
This is also in print in India  
but never a copy sent to me!

I have however a communication  
on the same subject from H.  
India Office here & have  
recommended that he be  
reappointed 3 months (he wants  
but less than 6 months) to Afghanistan  
in name & authority but

My dear Sir

A box is being  
despatched to you addressed  
with 44 specimens of Corus  
of which 33 are Gordon types.—  
I wish I could think them  
of "invaluable value"— but  
as Gordon's types they will have  
I hope a value in your Crs.  
His book is a bad one at  
the best: & all I can swear to  
is that the names are his.  
I have added a few miscellanea  
chiefly to Macrogamas &

Dec 9/79

Cover & Cross putinate.

Please let me know soon.

1. Do you want more Crosses, covers, if so I will have them collected as they present at Kew - our Collector is now quite superab. & they have freely.

2. Do you want a set of Indian named words? we shall have duplicates from the Indian Museum.

Perhaps they would be more applicable to Bengal - when you kind) let me know

as soon as we are anxious to distribute. The large mass of duplicates

I suppose that you do not want duplicate Indian products.

I have still to arrange & distribute Gordon's dried specimens of Conifers - of which the first set suitable to you - though as most of them are garden trash, they may be more useful to Saenger. You much see to when they come.

Dr Aitchison (of the Indian Army) is here with his dried collections made in the Kumaon

collection. The number in her  
1000 skins say 800/ &  
in her lots of duplicates  
Excellent specimens. To you  
my self or a friend etc.

Thanks very much for the Game  
which arrived yesterday & is  
under Oliver's charge. Will write  
shortly upon it.

I have no news, we are all  
well except Joey who has a  
cold & cough which keeps him  
to a close room & consequent  
indistrition. The weather is most-  
dreadful, wet & dark all  
light <sup>on the ground</sup> snow & when very cold  
15° to 35° F.

Very affly yours

P. B. Parker

Feb 9/80

Dear Gray

Before sending the  
Morgan & Weston Strip.  
I hope (which I have written  
from Schenck's & will be  
present to Zartman's laboratory)  
I should be glad to know  
whether you or his Dept.  
ever purchase any of  
the skins which I have  
taken off Schenck's hands  
with the Bryozoan shells;  
& would I offer all the  
skins I have had him  
for them. I enclose a

a list. May do with  
these that there is the  
undoubted obligation to  
take up - there are plenty  
of purchases of such things  
at double the price -  
I do not want to make money  
of them, but if I told them  
2 strangers I should push  
a full price a item &  
reimburse me for some  
expenses connected with  
this Schimpff purchase.

I will urge Bentham to have his say  
on the Taxonomy & Phylogeny of the  
Teesta book, if ever so short.

Thanks for trying to get me Zamia  
of Florida. -

I am still at Indian Rubicon &  
have just done Psychotria. so I am  
well on. I find that the work gives  
satisfaction in itself, which is a comfort.  
Clarke is busy putting the Committee in  
order for next October, after which I  
shall let him go on.

The last sheet of the Plant. Gymnophora  
is under my hand. Bentham is  
 $\frac{1}{3}$  through Rubicon (in 4 months).  
A Richter on the African fungi  
has arrived with a collection of some  
for shores. - He returns about of July  
after distributing his plants of which  
you shall have a good set. There are  
many new species.

Perrin of Lian is here with large  
collections of which he will give us 10s  
but not. - He has quarrelled with the  
Jardin des Plantes.

Aug 14/60

My dear Gray

Through late in the year  
pray accept for yourself & Mrs  
Gray, my wife & my own most  
hearted good wishes.

The Apples arrived yesterday  
flourish sweet ruby. found fruit  
& monstroses good, though some  
bruised. You ask what I have  
paid over & above what you have  
paid for me (0. 15.-0). just 7/-  
to my stand in about 19  
apiece after paying the delivery  
brought. The custom of sending  
apples in barrels without packing  
is destructive. My have all been  
bruised & pulleying over. I shall

Inquire the price of Green cherries at  
Central Garden Market &  
answer.

Now let me

Thank you & the Rep. most heartily  
for your kind trouble - I do enjoy  
these immensely & have distributed  
to Oliver, Harriet, Smith & others  
as to comparing them with English  
apples, (when there are any, there are  
none this year) it is impossible.  
We have nothing like them, any more than we have  
like your Newton pippin or others I  
could name, all are sweeter, & far &  
more juicy than any apples we have.  
So also I suppose you have nothing  
like our Ribston pippin or Worcester.  
It is impossible to say that any of  
them are better than the others - which  
you best as well as i, is the uniformity  
& abundance of goodness - So too with  
your peaches, we have only a few &

very costly good peaches, & I think the  
best of these beats any thing you have.  
but for abundance of an excellent  
peach we have nothing whatever -  
Last year also the fruit was bad, even  
strawberries - so much for the peaches.  
I do not understand from you that  
your dear Mrs. Lewis has arrived - if so  
I thank you offer too much for them -  
but do not trouble of paying any thing  
till I send the dried specimens -  
which I shall do as soon as the  
season affords me daylight enough  
to sort them - when I am sure that  
£5. will be enough for the total - if  
not too much.

I am delighted to hear of the  
Porto Rico collector & have at once  
noted Grindal's flora to him.  
I know of nothing particular wanted,  
but will gladly pay for seeds of  
Palms, & small plants of Garcia. &  
for articles.

We are overwhelmed with Indian  
collections of  
of strings & all sort  
huge bonfires & have had  
I rubbish -  
We shall send you a rare lot of  
good things in the Museum way -  
& probably much utilize them or  
distrubish them:- they have been  
procured at great cost - we have  
no room or appriance to store  
duplicates - & so you must take  
some! - I must close - Next  
in copy Dr. B. Moore

I shall be delighted to get Dr.  
Newton Pippins. & hope you will  
give me time to my account  
with Rep.

Upon which he writes that he is  
most anxious to leave Steasby (he  
is anti German) & get a modest  
Professorship in the States, & suggests  
that a practitioner of them elections  
may be a bait to some college in  
the States & later him! - Values  
can be included myself with you in  
that direction! - What am I to  
say? - perhaps that on you will  
be over in Autumn, the weather had  
better stand over...

Now I have bagged old Gmelin's  
Herbarium for her, which had  
remained in Calech in good preser-  
vation. & being of no use there, I  
reminded the authorities & presented  
it here.

I am busy at the Palms & Gen.  
Plant! They want a big deal  
of work & I am surprised to find  
how bad Pittosporus work is. I cannot

May  
March 14/60

My dear Gray

I have yours of 29<sup>th</sup> April.  
& thank you much for all your  
work done in the way of paying  
bills &c. - I shall square up the  
acc. & let you know the  
result. - I am also greatly pleased  
with your discriminating notice  
of Gen. Plant. - Yes I think  
it a pity we put Cheeseman's  
into Myrs., & that we did  
not lump all into Cupressus  
with Leboedres too! - This is  
on the great astenbury & curious  
result of working at Gen. Plant.  
to find how cautious one gets  
in naming what one has, which

Fig. Kingdom & deal with. compared  
with what  
at last I have  
on the other way, but it  
not so. I find I have made  
surely very poor Friends & Relatives  
but I cannot go with Baileys  
in taking the name of H. West.  
& without examination troubling  
them: he is in this way the  
most impudent plagiarist I  
ever know. I cannot understand  
how a man capable of such good  
work, & that has done so much  
can consent to compile & publish  
Spaete as he does from his Plants  
using characters never before used  
by any one & never seen by himself  
as if they were his results of his  
observations.

We are going to have Schimpff's  
Music, & my Sopraano voice for

£ 200 & I could not resist the offer -  
though my cash-box was emptied by  
Charles' partner just <sup>before</sup> & his <sup>time</sup>, & I  
immediately ordered them. Meanwhile  
Dyer, like a good son-in-law, wrote  
to Dr. Lee Wardell (whom also was a  
patient of his father) & obtained  
the number for her & her, in a  
diplomatis letter, ~~that took~~, & so  
I am relieved of what trouble! - It  
is to my feelings a glorious addition  
to my father's Miss Webber.  
At the same time young Schimpff  
offered several sets of published  
light operas which we have. &  
thinking of Farlow I offered to find  
a purchase of them if the price  
was moderate. suggesting the possibility  
of another. In fact no low price  
(£ 17 for all which included Margot  
& Rosalind!) met I accepted at once.

W. H. Aspinwall - Meantime I am  
immediately establishing a station in the  
Canton, within railroad reach of Kien.  
The life here is a wearying one from the fact  
of our house being over office, & so we  
have no day or hours to call our own.  
Sunday included - The air too does not  
agree with my present wife so much  
than it did with my last, it is so  
relaxing - I can't get my ideas (of my  
so no more as yet) into writing &  
my sacrifice of capital laid off for my  
children, ~~but~~ so I must see that it  
done in a <sup>done in</sup> worse investment, as well as an  
immediate advantage.

Pierre of Saigon has been here & left to  
give me the first orders of his election,  
may some things & news we will be  
very much indeed.

Very affec  
J. W. Hooker

Vasey writes asking me for duplicates from  
Mimosa's Herbarium, but there are none!

Upper West he would have  
mentioned it, being  
printed - I am disposed  
to accept an offering from Chapman  
of Specimens forwarded a St. P.  
flowers - unfortunately it will  
play "old Harry" with some genera  
- Proteaceae, <sup>Orchidaceae</sup> Mesakidomia work  
is a whitened perfectly perfect  
Martius was good, very, for the  
day, but later discoveries indicate  
great changes. Menostachys work  
<sup>Blumea</sup> & <sup>Boehmeria</sup> Schefferi Seemannii,  
as in Baccharis. but also seem to  
have missed what I consider to  
be the principles on which this  
group should be divided up.  
But I have to depict - very  
species & i want care <sup>over</sup> my  
specimens leaving <sup>out</sup> Mimosa  
is a favorite (as a <sup>up</sup> Palm Habenaria (r)) &  
we are getting <sup>up</sup> good large herbaria

attention. I have just finished  
printing Rubina for H. Rich  
here. Which soon begins  
distribution. That is the descriptive  
work at least, for what with  
my own work, followed by Thunus -  
Miss Clarke,<sup>copying her</sup> & then Bertram &  
Dr Marsh, & lastly Clarke again is  
merely references noted &c so far  
as my use, I expect that there is  
not much before careful designation  
descriptions to do. So I have left  
Clarke upon Carica. which he finds  
I have left him little to do!

I am astonished at your  
pacity to work with the dem  
in ~~America~~ America after. I  
thought that we had mastered  
them long ago!

Over you are reluctantly & often  
laborious last two nights also at

the "Colonial Institute." in ~~Bethune~~  
Garden & their functions - this  
& New Manifesto which will do a great  
deal of good.

Relford has returned from Boston  
with fine collections & a fine fees,  
which luckily did not find him  
out till on the point of leaving -  
He has brought him plants of the  
the Solanum & Dragon's blood  
(Dracaena Dracaena or Syphonia  
apparently) which have been  
known since the days of Descartes  
but not to Bethune. He arrived  
but a week before the commencement  
of his lectures at Glasgow.

Our Garden duties do not now  
left & I sometimes do with that  
I can afford to despatch myself  
of them - but that cannot be

big struggle - & it shall not be  
my fault if we do not go to the  
continent together. & to Madrid if  
you please - what do you say to  
cycling to Tangier? for a day or two?

I have just bought Schindler's  
Mops Hebamme. I think it is  
the best country some has ever  
been taking it off my hands -  
when I got, when father was  
appreciate to see Maudie Codd,  
admitted an adrost letter to that  
unintelligent lady, which caused her  
quarrel among out of her pocket!  
by E. Lov. - Guy Schindler has  
several sets of published Egyptian  
~~but~~ to sell, enough  
for Morgan & Weston. Then  
I shall buy one chance of getting  
them - In offer them cheap  
Father shall have first choice.

13  
May 23/60

My dear Gray

I have several unanswered  
letters of yours - & left time there  
over to answer them! business  
seems to increase every year  
& I do long for release from its  
trammels - but I must work  
to live, & expenses of living  
do not increase in ratio to  
my troubles my wife has knocked  
up this spring - will probably  
weekend & <sup>a</sup> lack of flesh - so  
unable as to make me uneasy  
She has been away from home  
for a month in the west, with  
her parents, which was done

so much good. She would  
miss when completely the  
category my policies  
natural correspondence, a  
fearful job, which kept her  
late at night, & tired her  
eye & back. She was ambitious  
to do such a piece of work for  
me as my dear late wife ~~had~~<sup>had</sup>  
to do. But you will see what  
the library which I visited. I did  
not cause it to prevent - but she  
is vain. In this house, which  
is unadorned ~~that~~ will call  
you Lander & all parts of the  
county, it is enough for the lady  
to attend to house-hold duties  
& the children. We are also  
engaged in a chronic struggle

against <sup>every</sup> expenses: I know what  
an big petticoat - what we like  
best of us, to have a quiet mind &  
true story with us, which is a  
lower expense for advertising & &c.  
A thousand thanks of the good  
plank of ~~Charle~~<sup>Charle</sup> which will help do  
as well as ~~get~~ over. I have  
plaster over out & Mr. M. is a  
just in a frame & will look well  
I thank you with much a much  
improvement: our Hebrews  
grinned when you come over.  
I cannot tell you what's  
happened the majority of  
your coming in Autumn gives us,  
I shall make up my vehicles  
for your arrival - you & Mrs  
Gray must come I thought to you.

Algebra, Arithmetic, & Geometry, Physics,  
Chemistry, & Biology: - very tough i am to  
& a failure i say one is ~~at this~~<sup>soon</sup>. The  
second is more difficult & a man  
will go in for Chemistry, I think if  
he gets on to it. The subject of  
the examinations is being remonstrated  
against, & I think justly, for no one  
is allowed to come up again for a  
single subject, at which he may have  
failed: he must come up for all  
& this not till a year has elapsed.  
Consequently he can do ~~nothing~~  
ever make no progress: his  
prospects are dimmed - he must  
keep up all these subjects to  
become fit. The Diploma of  
the School of Mines is pretty stiff  
too, but not so comprehensive.  
Rogers health has been very good this  
last winter. - He keeps well ahead of  
his school. His prospects are excellent &  
& the demand of all his old friends. I think

what a capital digest of Nines  
Lugdum has made,  
what an  
able fellow  
he is! Still with not  
one less concern: the Nines  
that is when we were

I pity you with Acton. I hope  
you may not have forgotten them  
of the time you came over, as  
we having once went another  
reception! & they will then  
be a beauty.

I am busy with Patience for  
Mr. Martin an awful job - it  
must be very much a compilation  
Old Masters is so tedious work.  
The reduction of the moderns  
comes <sup>with</sup> my great difficulty  
young Balfour is back from  
Scroba with excellent alterations &

a smart attack of fever just as  
he was leaving. But Maria is  
driving away at Belgrave  
with her wounded regiments. We  
went up there to Murm' to  
pack up the Malacca you knew  
when it is safely deposited. I  
think it was arranged to remain  
in the other steamer - we found  
William Grimes, which with  
retained to you I suppose. Marshall  
has undertaken the deposition  
of the bundles of loan collectors  
some of which are horribly mixed.  
The Agent of the American Bank will  
form a small separate library  
to be placed near the Grimes  
of the Belgrave.

In domestic matters we are pretty

much in Malaqua, except that  
Charlie is off my hands. I have  
brought for him  $\frac{1}{3}$  of the practice  
at Colchester! which is much  
increased since Tom Lester was  
there the railway has surely  
thought it - I pay £600 down  
& Charlie will have £200 more  
to pay by instalments - for  $\frac{1}{3}$  of  
a practice of £1200 per annum  
Maria is working hard at  
Cobden's at the school of ~~mines~~  
& also for the R.A. class of the  
L. University, a horridly tough  
job, at least to amanite more  
than half are actually plucked,  
& the rejected ones are presently  
thrust back again! There are two  
barometers, at intervals of  
a year. The first - includes

I am all behind in London work,  
& very much put out. The India  
Museum has thrown my story into  
arrears, & Smith is not the man  
he was at all. Then too Della's  
activity has greatly increased the  
work, whilst his ability & skill  
has rendered it to prodigious  
advantage: I say <sup>(date to him)</sup> ~~you~~ the  
Entangled "Report", has brought a  
huge accession of correspondence,  
especially from the Colonies which  
are very active about their  
Botanic & Hortic. Gardens. Dyer  
spent his holiday next week,  
Harriet remains behind.

I am still much occupied with  
the arrangement of the collection

I have not forgot the "Monster  
Flora" for Hayden Report, I wish  
I could! - I have thought over  
much of it: but Blakemore fidgets  
about "Mr. General" & longs for his Palms

feel high & can't wait  
for you to go

I have tried to  
see a lot Spanish

Aug 8/80

My dear Gray

of course I was on the point  
of writing (I always am!) when  
you arrived a few minutes  
ago. My principal object was  
to say that on your arrival at  
Liverpool you shall telegraph  
to us by what train you  
came up, taking your ticket  
to Willerden & labelling your  
baggage for that station,  
where you shall be met.  
Willerden is only 10' rail from  
here, & we have plenty of  
room for all your effects.  
It is one of the large ~~old~~  
suburban junctions at  
which the Liverpool trains

*W. H. Mather*  
*Mather & Son*  
*London & Liverpool*

*Dear Mr. Brewster*  
*John Brewster Jr.*

stop & take <sup>all</sup> the tickets, &  
charge each passenger and  
travel off from there for other  
lines.

As to Spain I am agreeable  
to November 1<sup>st</sup>, which my  
wife & I gather is your choice.  
we must be back a little  
before & news for the children.  
I shall lose a great <sup>many</sup> ~~one~~ day  
on the journey, so <sup>ask Murphy to</sup> bring a  
lot of your old ones!!! for it  
will be very cold.

Benthon has just done the  
curriculum, & tables of doing the  
grammar! - I am writing at  
the Natur, the hardest work  
I ever had. I have only done  
50 pages in 6 months. & may

of these are very imperfect known  
I find Wendland's work remarkably  
careful & good. I am glad to say  
Schaffer (great loss) who did well,  
Kerrari has modified his predecessors  
work. Martini of course is splendid  
but has no metrical form the  
curriculum. - We are better off for  
theoretical than practical, between  
Maurer, Ferale & Kerrari, & I am  
getting Kerrari, on loan, also  
Latutta & Leyden which has  
added nothing for years!! & I  
am writing above the Globi for  
theories. This is my old &  
very queer order, full of monstrosities  
which I cannot write,  
however much a habit, with  
a singular compunction to  
perfection & on the whole of  
fault too. Those tried an order  
of all like it, except Grammatica.

present my history for a month of years,  
lent or borrow, or sell out, which I cannot  
afford to do. I am employing Mr Waller,  
~~myself~~<sup>his self</sup> son & also his daughter - in fact is  
Germanta, but is taking work about  
London, he is not aesthetic, is sensible,  
has no faids & has the reputation of  
never exceeding his estimates. I like  
much what I have seen of him. ( £15. 15. 0 )

Phenixe called into & Cheque'd  
J. S. Watson it. is for Palmer's plants;  
he charged for 1441. but there are only  
1136 chris, less 99<sup>the</sup> a supplement because  
what was not charged for. This really  
as much as they are worth, we would rather  
have paid double for 1/2 of the collection,  
had it been weed'd of common things.

Now I must close, I want half  
to wish to you Gray, my best love  
to her. & kindest regards to all old  
friends.

In aff'g J<sup>r</sup> P. Waller

Jay 6/11.

My dear Gray

We miss you & Mrs Gray  
awfully. The Sargent book-  
seller is still closed up - I am  
getting old & stupid; & like  
Mortice, troubled with many  
stomps.

I have written to Finster asking  
how he wishes his money paid.  
(some £35 odd.)

Rock Garden so far settled that  
the Board given £500 towards  
its formation, & we accept fresh  
plants. We strike a long  
sinuous walk through the  
gaps parallel to the N. wall

of the hubbous ground, to the  
rest of it -

I have sent a long statement  
to the Board of the want of aid in  
my department, adding that I am  
no longer able to carry on the duties  
with the existing means at my disposal.  
I have forwarded the Treasury for the  
Secretary General a copy of the Permanent  
Survey, & Lubbock has brought it  
under the favorable notice of Lord L.  
Lancaster, the Parliamentary Secretary;  
but it must of course go through H.  
D. Works, & before has paid no  
attention either to it or to a remonster  
which I sent begging him either to  
deal with it at the Board or forward

it to the Treasury. It is now just 6 weeks  
since it went in! What I want is a  
small "Treasury Committee" to sit on the  
conditions of New. Hertford (the Regt of  
the Board) over it, & the Treasury is  
prepared to have it, but the G.C. won't  
move.; it is disgusting.

Joy is quite well again, & at Pendals,  
where we spent a probably quiet week,  
I working all day at Archives for Gen.  
Pants; Hasn't you any hints for me?

My sister Elizabeth has been very  
ill again with rheumatism - Maria  
is still in under the care of a medical  
~~friend~~ friend of hers here, who undertakes  
the charge of mild cases of insanity.

I have arranged to buy 10 acres of  
Hedgehog-i.e. Sumpdale, at the back of  
Hertford, which is 3 times more than I  
want, but to make a compact little  
property, & I can sell half of it if  
required at some future time. It is  
a isolated piece of land, but it will

March 27<sup>th</sup> 81.

My dear Grey,

You will think me much  
an enemy - but I find that  
you cannot tell off the Saturday.

I am one of a Committee of 3  
to advise on the cutting down  
the trees over several acres of  
Kennington Gardens, re operation  
at about the public road &  
the heather insuring rare things -  
& the hill roads. I have before I  
had time today for the other  
purpose. This is not only most  
important that should be  
done, but it pays 5*g*!

Jan. 20. Hyacinth is so tired  
that she will be gone in  
England, this! I shall be glad of  
a day's rest, before or after  
packing, for her. - I hope that  
she will not let us wait  
on her, & that Mrs Gray has  
need of the time in Paris. I  
will also enable one to finish  
my part of the new Report before  
you. - I am so sick of this  
inept, grinding work! -

We found my sister as well  
as I had hoped at Torquay, but  
she is not saying much. She  
was in a great deal, is miserably  
thin, & very tired. Still she

was wonderfully cheerful & glad  
to see us. She is certainly much  
improving <sup>both</sup> in Summer at  
Torquay. - We left. We  
are returning. She wanted to know  
what made the sea move? (No  
waves). -

I fear I am a horrid  
bone to you - but I used to  
knock you up in bed  
in days past.

V. Weller.

I am looking with much interest  
to see finding some good ones  
Porto Rico, & Florida is limited.  
Wright Cuban one in the  
district. & one of them Griebel's  
Githineas compacta is a new genus  
having nothing to do with Githineas.  
I keep up Cystoseira but it is awfully  
near to Sargassum in characters  
differing in the globular ovarian capsules,  
which alternate (not coxae in)  
& subbasilar rhizoids.

The Gray are well & as  
usual, visiting every body & every  
thing with unmitigated ardor.  
Their vitality is astounding even  
for Americans! -

Very truly yours  
W. D. Hopper

June 26/88.

Dear Mr. Watson

I have to thank you for  
yours of May 24<sup>th</sup> & your  
kind descriptions i received of  
Palmer's Texan & N. Mexican  
collections which have all  
arrived in excellent order.

The herbarium for the  
British Museum, Dr Braithwaite  
& Mr Gray have been all  
 duly delivered.

With regard to the price  
of Palmer's plants, Oliver  
wishes to know what &  
& Gray agrees with him that

it is too high. Prof Oliver's  
Report to me is "I cannot but  
conclude that the price of the  
specimens should not be less  
than 30/- per 100. They are by no means  
always so complete or as  
should like, & they are  
undetermined; besides the  
localities have all to be  
written up from a separate  
"Schedule."

I have not seen the specimens  
myself, but as Oliver is used to  
grind them, & has plenty of  
opportunity of judging of the  
market price of dried plants, I

do not feel myself justified in  
paying so large a sum of public  
money without at any rate  
ascertaining their fair share of the  
value of the goods.

I sent you a post card the  
other day begging to have a  
portion of Chamaesyce Hystrix for  
Gen. Plant - it is no doubt to  
good use as Woodland has  
watermarked it, - but like all  
his genera my want analysis  
are now & full descriptions.

Sabal serrulata has nothing  
to do with Sabal & is not a  
cognate of Cham. Hystrix much  
in another new genus.  
The former are most puzzling  
- They are evidently very well indeed

HERBARIUM OF HARVARD UNIVERSITY,

BOTANIC GARDEN, CAMBRIDGE, MASS.

July 11<sup>th</sup> 1884

Dear Mr. Joseph,  
Your favor of  
26<sup>th</sup> ult. is at hand.

As respects the price to be paid  
for Dr. Palmer's plants I can only  
refer the matter to him. He  
is now in Tennessee and I  
will write him as soon as I  
know his address. The under-  
standing with the original sub-  
scribers was ~~that~~ <sup>as far as I understand</sup> for  
that the price paid per hundred  
should be the same as in the  
case of the previous collection  
made by him & Dr. Torrey in Mex-  
ico, i.e. \$10.00. The payments made  
up to this time have been upon  
this basis, and without objection  
on the part of any one so far as I  
have heard. For any ordinary  
collection this price would suffice  
be + high or, but considering

I do not recollect whether the  
prize was ~~state~~ mentioned in my  
letter to Mr. Gray; but it is  
my impression that it was.

the difficulties and risks which  
attend the work I really  
think that he has earned the  
money. Nor do I clearly see on what  
<sup>ground</sup> Palmer can make a discrimination in  
I send you the other day by  
your favor,<sup>1</sup> through Dr. Gray flowers of Lathra  
ciliolata & fruit of Chamissoe  
Hypoxis. The flowers of the last  
we do not have nor has Prof.  
Sargent. I have written to  
Mr. Curtis to secure them &  
also to Dr. Dasey at Washington &  
hope to have them for you before  
long.

I am happy to hear that  
Erythaea is likely to hold her own.  
I did not think that Hemlock  
was to come so soon posting  
about his domain.

Yours very truly  
Wm. Brewster

July 28/87

Dear Mr Watson

Thank you for your letter.  
About Palmer's plants. I have  
referred to your letter to  
Mr Belmonte, in which you  
state that the price will  
be "about ~~the~~<sup>his</sup> usual rate  
of £8 & 100".

We have no wish to oppose  
you to depreciate or beat down,  
but as I tell you that  
one very common form  
occurs under 11 numbers

that there are many more  
plants in 2-splinters,  
the 68 number of Ferris reserving  
themselves into 30 species & varieties.  
you will I am sure see that  
in printing to my replacement  
<sup>should be wrong</sup>  
~~I consider myself~~ to let the  
price of 40/- & 100/-  
unchallenged.

Thanks for the ~~hands~~<sup>hands</sup> of  
Sabal serrulata & pink  
of Hystrix. I shall be very  
glad of flowers of the  
latter also & leaves too.

See by!

"W. J. Grier.

I shall have some more  
of Palmeus' plants collected &  
let you know the result.  
I assure you I do not desire  
that any favor should be  
shown to him, only fair  
play.

Sir  
Henry Watson Esq

Dec 31/81.

Dear Mr Watson

Pap Stine repeats to me  
that the number of species  
in Palmer's collection is 1156, less  
99 which belong to a supplementary  
bundle which is said not to  
be charged - That is 1057 to  
be paid for at £ 30/- per 100.  
which is £ 15.15:- for which  
I venture cheaper. Pap Stine  
can send a list of names if  
required, but I suppose that  
you know them better than  
we do.

I suppose that it may be

Please send receipt.

hard at work again - I do hope  
that the American Flora will  
now prosper again.

I have finished the Palms for  
you Plant. & have begun the  
Acrods, reverting to Schott &  
descending Engler's system  
as neither natural nor  
practical.

Belle au  
Very truly yours  
R. B. Worke

The character of Delitiae. The  
arrangement of brain - Our Plant is  
not good. I have had to make  
2 new genera - one a noble genus of  
herbaceous tubers, that produces the  
"Gutta Singapuri," (with E. shumii, a  
Malacca & Borneo) which I have  
called Dyera - it is near Alocasia.

I am now at Archipielago, on a special  
job., & running independent dispersion - I  
have had to ~~make~~ <sup>take over</sup> many genera  
in Periplocaea that Kuntze had  
suppressed, & to make a new one  
separately. I tremble to think what  
I shall have to do on - when  
with plants <sup>or groups</sup> that keep their habit,  
not easily their opportunity to please  
insects, & plants <sup>or groups</sup> that keep their  
opportunity. Characters & change their  
habit to please themselves, - I  
am driven dis-habits. Meanwhile  
I shall complete Part 18 of the Plan  
with Endeavour & Mary.

Jay 12/82

My dear Gray

I am sadly behind hand with  
my care expenditure - as usual - &  
you seem to run at the far off  
end of the trail.

Things here are pretty much i  
stationes. Iver has made a  
large Rock garden some 150 yards  
long with a winding path, only  
bamboo & woodia (breezy) planting  
but on either side, parallel to  
the wall of the Herbaceous ground -  
it does not take all good  
rare collectors.

Mr. Morris's gallery is a great  
success as to beauty - & interest -

but the building is obviously  
too small, & we are perturbed for  
admission at the gates here by,  
where there is no porter - & where  
the president <sup>foremost work</sup> & committee of the  
important wings of the hotel &  
application to get in. As it is  
known that so popular an  
object will, if the gates are made  
open to the public, become a  
more bazaar & place of aggregation.  
I know well however the gates  
higher up the road, towards Richmond,  
& closing the Richmond gate, make  
removed the chief entrance & the  
rest of the ground. I have  
informed a shot set from whence  
& winding path would lead

straight away to the Taylors, & make  
a beautiful approach.  
Berthon has been weak & bodily strength  
this winter, but is I think all right  
again - he is spending this month  
with us, whilst his house in London  
is being done up: & is now by my  
side converting the top of the last street  
of Bridgeman. - I have finished Micheli,  
Natal - not quite following Bellini.  
or Gaglianico. I have despatched the  
the latter with great difficulty, but  
am sure I am right, as is Berthon,  
after all it is only a creation of a  
transposition <sup>a few species</sup> <sub>2 names</sub> of the species  
Almeia. Ciliatormus & Saccatella &  
Micheli's work is very good. I was  
to have done Perceo, but Berthon  
finds them to close to Liticea that  
he wishes to undate them.  
I have painted Apoecaria for Mr.  
Web. Hill, & have had to modify

Memo and answer

Report of the Brit Assoc.  
for the Advancement of  
Science, 1881.

See Report of Brit Association  
1881. York Meeting -  
In Stork's address, p. 734.

Sentence beginning,

"These results opened up a  
new channel for investiga =  
ting the Phenomena of distri =  
bution. Dr."

If this is to be history  
it needs to be corrected by  
the following mem.

1. The paper by me in  
which ~~the subject~~ was "entered upon",  
was communicated to the Amer.  
Academy in August, 1858, &  
was published April 25, 1859.  
The 1<sup>st</sup> edition of The Origin of  
Species is dated October, 1859.

But I knew, by correspondence,  
the main points of Darwinism.

2. The statement is, that what had been published about Arctic fossil plants - *Sequoia*, *Taxodium*, &c - opened up to the views which I put forth first in 1858-59.

But my paper shows that I had ~~then~~ no knowledge than of this fossil arctic flora. - which would have been made a capital point. -

And I state, in my Tribune address that I knew nothing of all that, but reached my conclusions without this knowledge. (Note how should I have known this in 1858-9, when, as Horker states (date in first note) Deconinck's first publication on the subject was in 1852.

The generalisations were reached

in a way wholly different from and independent of what is implied.

I said as much to Horker the day after the delivery of the address. But it was already in type, it was awkward to alter, and I think he did not really understand it or take it in.

Note, also, the sentence "When studying the collections of Japanese plants brought by the officers of Wilkes' expedition, Dr. Gray," &c,

Wilkes' expedition, in Asia was wholly south of the Equator - far away from Japan!

July 1, 1882.

Asa Gray

(I wish it may had interposed.)

This brought a response from Leopold, apologizing,  
I say he would at once recommend ~~me~~  
for an increasing salary, & postpone all other  
matters. I wrote an indignant response &  
had my salary raised on such terms,  
adding that the Directors could always  
wait - the service of the Garden could  
not - I was sent for at once, & told that  
the Committee should go forward to the  
treasury, & that H. L. C. would prepare accordingly  
my salary to £1100 - I said we must ask  
for £1200 & all the other sources, which  
he has done:- & I now await the  
treasury's answer. Would you believe it - they  
negotiated for an increase from only an £100 &  
I am informed being in the Arboretum &  
Garden, the October sales brought down many  
hats & 1 got a grant of £500 back down  
more, & clear large spaces for new  
plantations, a very responsible duty, left  
to myself. Then there was to belet the  
Gard's plant, left to me by his wife,  
a large Camber Pot house, & an old trouting  
collection of living plants. This took me

March 4/72

Dear Gray Yours of 19<sup>th</sup> this minute  
received; I have been awaiting a  
letter to you for some time - & now have  
to open the envelope with bad news -  
for Aunt Hannah (Mrs Brightwell) died  
2 days ago <sup>at night</sup> ~~in~~ <sup>at</sup> the gate on the door-step of her  
house at Fritton - but open the Yerbereel,  
dead much before the Doctor could be got  
to stop it: took morphine; recovered of  
that; boils formed at back of head &  
she slept right before last - I feel her  
left very much, as she is amongst my  
earliest of recollections, <sup>to me</sup> of my childhood,  
when I met much older than Joey - & I had  
counted on going to see her at Easter.

In view of the dismals, Berlthas has  
been very unwell, & is to this, much  
pulled down by a throat cough with

Esperotin said not to be Amherst,  
but very weakening. He has been away  
from Herk's a good deal, though in  
new drives up & down - he took a  
good deal charged. I am trying to get  
him to go into the country with me -  
not hopefully. However he is at ~~Lakeview~~,  
but in a fit of his weakness he  
will not come over to this house even  
to call on the Germans, who are  
leaving a few days with us - he fears  
"crossing the green" - though the weather  
is summy.

We are all well, though my wife is always  
complaining of being tired & is longing for  
the country home. - The deeds of transfer  
of land of which an estate the lawyers  
hand. As to building it must depend  
on whether my salary is to be raised.

Last November I sent a <sup>letter</sup> to Morris <sup>without which you will not go on</sup> on the  
indiscreet <sup>events of Decr 1<sup>st</sup> by a Clark,  
Dens who then I believe with salary of  
£700 - <sup>added</sup> office to be raised to £900 & another  
had to be done. A proper office to be built;  
& appointed for <sup>another office</sup> keeper, more money & better  
pay for & foreman & I would get new drivers  
at also - though I often wrote urging one.  
At last I wrote a strong letter to <sup>before</sup> before,  
calling his attention to my demands, adding  
that I was both the oldest officer & the  
oldest of the officers of the Board, that I  
claimed attention myself & that  
they would let no successor for the pay  
they gave me; & that it was time the  
whole conditions of the drivers were revised  
I took no answer of any kind. Then I went  
to the Treasury, who advised me to write  
a categorical demand that I should be  
informed whether or not my memorandum  
was to be sent to the Treasury. - This brought  
an answer that the subject would be  
postponed for a general revision of the  
whole office of <sup>not yet</sup> <sup>last year</sup> <sup>labor</sup> <sup>for</sup>  
a categorical answer to my <sup>part</sup> <sup>memorandum</sup>.</sup>

P.S. Oliver wants to know  
whether we should order the  
Cultiva - I suppose not & that  
we can get much good work  
through your good offices.

The 5<sup>th</sup> set of cuttings not yet  
received, we have paid for the  
privileges, I believe.

Off to Wimbleton - & we got the last  
class of trees      days ago.

Then we are      an making a  
rather better Rock Garden, for which  
the Treasury gave £600 - it is a the  
piece of ground behind the Habermann  
Grounds wall, between it & the Orchid &  
House. - it will occupy a winding trench  
from 3-4 feet deep with high banks  
& blisters of stones, roots of trees etc etc  
along it. In the Habermann I have  
been going through the Pinetum, adding  
transplanting & managing.

In the Habermann our best arrivals are  
Madagascar plant, & Central African -  
All light ones like sun are covering in  
large boxes. Hewitt Watson's came  
I think before you left.

I used hardly say that with all this  
work on hand Cere Plant goes slowly  
on & Fl. Nut. had shown still, -  
I have taken up Prominentes for the

letter, which soon threw into a break  
of Clutton's work she ready to go on  
with. I have finished Pandanus  
2 species, & Gelanthus (3 or 4).  
I shall do Ephemer & perhaps  
Araceae. I hope you did not  
name Ingles Araceae, it is a dreadful  
name for mudelle. M.L. Brown is a good  
help.

Balfour is still working at his  
London plant., Herbarium at Rich.  
Cent. Amer., Haili is near, at S. Am.  
Patagonia which he knows well.

Thanks for the Fish Gums, I  
will be most grateful.

We dined at the X? the other day &  
met the Blackfords.

I am very sorry for Deasories' death, he was  
my earliest Paris friend & in 1845-1 spent  
many happy days with him, & many  
of whom are in the very last! -

The Symplocarpus & Monotropa seeds  
are most welcome for Herbarium.

I have told Oliver to name Watsonia  
Californica. Here goes over with the Herbarium.  
& our decidedest regards for you.

No wonder you feel the strain of  
accumulations; to me they are distressing -  
& see no end of the increasing labors  
of this place. Mrs Wright should  
do good work for you.

Dayton Jackson is busy at the  
"Steele" until Darwin has so liberally  
misappropriated.

Herbert Spencer is going over to your  
side of the Atlantic in August. - How do  
you like Oscar Wilde?

With love to Murphy See affly &  
W. W. W.

Dear nephew. - I have sent  
£ 500 of books to Whilden.  
Mostly from a good publisher.  
Others I was sorry to see go.  
I have kept Specimen, Reuter  
& other old books of reference.  
I gave you mine to Spurrier;  
in case out of the Author.

Very  
affectionately yours  
J. W. Walker

March 3/82

Dear Jay

I send a bit of Wich-  
annia Stellata, taken from  
Watson's River, which will I think  
astonish you, & corroborate the  
remark I once made to you as  
to our poverty in your later  
discoveries. No doubt many of  
the plants are unique, & others  
most rare. The bit has  
been carefully checked, first  
by Steyermark, then by H. Rabenau.  
I can be thoroughly depended  
upon (just like Steyer).

I have no news - The Swinburne  
bit of land is not bought yet.  
The lawyers are haggling over  
terms.

I am at Norfolk for  
Gen. Pres't:- & various busy  
in the Abortion.

May I thank Griswold, with my  
love for her letter? We go  
for Easter to the Bernays's  
for 3 days, & for 3 more to  
the Bernays's in Norfolk. I  
think I told you of Aunt

Hannah's death, that I went  
to the funeral, & that we both  
made of it the opportunity to  
see Charlie at Colchester;  
which was a great pleasure to  
us & to him. - We shall  
see him again in Norfolk on  
Sept.

Joy has been poor again, &  
we shall send her to  
Pendleton for Easter. Gracie  
will go with Miss Symonds to  
Paris to see with Regie, who  
is doing remarkably well. -

She / tells me that  
Genl. Pres't left £500 to

told you of this. I wish he had omitted the "respect" - Collier  
has painted a capital likeness  
of him for the dinner,  $\frac{3}{4}$  length  
with hat & hand. But oh so  
bad, I almost broke down when  
I saw it in the Academy. His  
deceasing like & dignified but  
want the light of genius - as  
do all Colliers. I hear the passing  
throne of young & wise at Cambridge  
but I have no proof of it.

We are in a whirl of visitors &  
are sick of it. Yesterday J. Bartholomew,  
Col. Gale & Gaspard of Florence who  
say Nestor is worse than ever

May 9 1862

Dear Gray

I have liberted (I presume)  
this word as my contribution  
to new Americanism) to  
remove the cover from the  
envelope, so as to send  
you a few lines under  
the same cover of thanks  
for your kind attention to

our deliberates & for  
favors to come!

We are traveling away as  
usual. Heathen has sent  
Calindee to prep. I am at  
Alosiacace, which Michel  
has done nicely, but I must  
readme some of his species.  
I see he agrees with Heathen  
on 1 - the <sup>separatrix</sup> ~~deserts~~ of Alosiacace  
from Maude & the claim of

principles, though he does not  
follow it for reasons given.  
It remains like the principles  
in which I cannot follow him,  
though it is quite amazeballs.

Heathen is much recovered,  
feels uncomfy well, but  
complains of weakness - he  
wants to go away for change of  
air, which would I am sure  
set him up.

Dear Darwin has left. "an  
£1000 per y out," as a slight  
tribute of love long affection &  
respect. - I forget whether I have

the Irish English, than the French Germans - They are a very conceited people with many noble traits & some attractive ones. We may govern them but never rule them with long years of hybridization & the ~~elimination~~ of the bad amongst them being almost absorption.

Their never attacking Fonda was a <sup>united</sup> ~~united~~ <sup>fact</sup> of the Savage's respect for the man brave enough to show a forth unarmed. For poor Cawood they leave no respect. The scandal going to my mind is to <sup>heav</sup> sell this house for vengeance got up because a young noble high in office is murdered, whilst so many men as <sup>have</sup> been ~~been~~ needed in the performance of their duties, in an older bloodless manner. In aff M. H. Weller

Yours Mover y diez - on  
Sunday evenings (now Wednesday)  
& on large part).

Fridg John. Green & India.  
Tuesday we shall escape to the County on a visit til Monday.

I have to day concluded to begin the House building at Sunnydale, with the help of Darius' legacy I shall hope to pay off in 2 1/2 years (with my present increase of salary).

I was astounded this Morn by a letter from the Law Office, asking me if a compensation of \$500000 & George would

dearable to Dyer, as Dr. Hunter proposed acting the Lawyer for it! Dyer      Glad accept'd;

I am happy to say; it will strengthen our hands here very much. & thank the Lawyer that his increase of Delay was well deserved! & that he has been appreciated.

These painful misdeeds i related will have shocked you as much as ourselves. What can have possessed Cartwright to act so weakly, & to supplement his actions by sacrificing a man

like Lord Cavendish who was doing admirable service when he was i the Treasury, & who had no pretensions whatever, showed a spirit, for the mis-Judgeship! - I do not envy poor Cartwights' feelings - & am really sorry to see his glorious reputation sink so low.

When this Minutes recognises the fact, that th. held an alien race (no blame to them for that), bearing no sympathy with the English & an ardently longing to be free of our Godde as ever were your red-men<sup>g</sup> of yours.

We can no more master

a fact to have done Liberia  
generally at all. If there is a fault  
to be found is Keulemans method of  
dealing with the building up of groups  
it is that he prefers putting a species  
or tribe into a wrong place rather  
than make a substantive self-  
supporting item of it. In regard also  
groups as plural, that is also a strong  
feature, for he cannot deny <sup>specific</sup> ~~monotypic~~  
genera - as he does monotypic orders.  
It is no doubt influenced by the fact  
that a Monospecific genus is more  
likely to be pluralled than a monogenetic  
order.

going (Zoology) Halfcrown's ankle death is  
caused by Shook - Husky is quite cat like,  
& Foster is an example of grief. H. estimates his  
not to go climbing & he promised to be  
careful - he had my job recovered from  
Typhus caught at Naples. It will be  
unrepealable & replace her in Committee or  
in Society of B.A. <sup>lamentably</sup> Dr. M. Miller  
Worke has diabetes.

For D Gray

July 29/81

Dear Gray

Can you pick me up a copy  
of "The Life of Thomas Hooker"  
of Edward W. Hooker. - written to  
the Mass. Sabbath School Socy.?  
Porter Nov. 13/ Cornhill. 1849"

I want it for Mr. Ernest Worke  
who has a notion that he is  
related to the Son of Humble."

Carry of your friends:  
R. South get me photographs of  
your Coulter Palms as they  
grow. - I have just had a  
good one of the Bernice Palm  
supplied to be Thurings.

We quite approve of the  
fact glass & wood be  
replaced by stone for the  
gates of it; if you could  
manage this for us.

Perhaps the dealers have  
an agency in London.  
I thought that the Chambers  
Hystory it is a very curious thing  
I can't meet opportunity as I  
am about to revise the Palms for  
you Dr. I have done the  
Naurodes to the best of my  
ability & taken great pains with  
them, but am much puzzled

about the perianth of certain  
I have also done Uppacace, Cyathellus  
Pandace & Aroids. & am now  
at Graniodes - which however  
I studied long ago carefully -

I have done Apoenace for  
Dr. B. Wet, the 1<sup>st</sup> part of which is  
gone to Press - I have also begun  
Archipendace for the same works  
Kuntze is trifling over Libicace.  
I do not quite like his putting  
Ophiopogon into Hemstroemace  
& think they would make as good  
an order as any in Monads of this  
sort - I hope Dr. will not make  
too much of "Embryo imbedded"  
"embryo intruded" but I have my  
fears, - he must have his way  
now & he will have performed

will have been kept up on a small  
order. However at this state of the  
work, & of Bentham's life, no check  
can be allowed to the progress of  
the work. We have got the processes  
to do, & fear them! We have  
just begun to print. Anamiales, &  
Liliaceæ go to press next week.

I had just done Ferns which  
I reduced to Grasses & Sedges,  
(face Miers) when Benth sent  
me a bound dozen of species or  
forms all of which must be dispersed.  
Last another (new) twelve arrived then,  
& I have to return some of Miers.

I have a very curious plant (2  
species) from Guiana that must go  
into Pipaceæ, though it has the  
habit of Gymnospermae

I do not think that Grasses have  
very much to do with Aloaceæ, but

Aug 14/82

My dear Gray,

It is almost criminal of  
you to caught under my nose  
so tempting a bait as the trip  
to the Yellowstone & Vancouver.  
with yourself & Sargent, with a  
without the Woman-kind. I wish  
I could see the propriety of it,  
but with the be power of the new  
house & what is more crushing,  
<sup>receipt of</sup> the being present during the finishing  
& passing long, it would be as  
criminal of me to be tempted  
as for you to tempt. So except the  
world is turned upside down in  
it from I must not think of it.

Well - here we are at Keynsham in  
our old quarters again, & the  
foundations of the house are  
digging - It has costed up £  
4000 already of House, Stables,  
orchard, drains & gates. Costumes  
will cost £100 more - & I may  
calculate on another £1000 for  
furnishing & alterations. Luckily my  
income has been very good from  
investments & managed by  
J Polgreen & I hope to get off by  
borrowing £1500 or selling out as  
much - though probably ~~that~~  
will amount to £2000. Happily  
the more I see the place the

more I like it - & I have every  
reason to believe that it will be a  
good investment. I send tracings  
of the Elevator & Ground floor &  
first floor of Mr Gray's announcement.  
There will be 3 small attic rooms -  
& a small cellar & both - I should  
much like to see similar plans of  
Mr Gray's House.

Bertram & I are working very hard  
at Gen. Plant, which grows on our  
hands - Mr. has very done  
diligence & I think hit upon a  
very fair tripartite division of the lot.  
We have both of us given much  
thought to it. & shall be most  
anxious for your opinion of it.

Ophiopogon has put into  
Hedera a step I am not  
satisfied about, they might easily

M. Foster & Herby are quite out of ch. about it.  
We all feel it:-

We are all well, Brian has come home much improved, & very full of his work - he goes to Freiburg for a year before I turn him out on the world. Charlie has bought a patch of land & cattle for himself at Cotteshall & is happy in the prospect of a Gardener. Harriet & her children are well. Willy in State Cess. - Grace Pitt. Joey has developed a passion for Botany & is more engrossed than ever. will it abt last? I do not like to think of it.

My sister Nelly fluctuates as ever. & Tom is back with great, which prevents his walking. Miss North is off to Calcutta, Madras & Bangalore. Miss Suline came to the Park yesterday & asked who our train by the Southern Railway was to come off! - What an admirable account of the Colorado canon & its plateau Geology that was last Saturday.

I wrote Herdy a long letter the other day, & promised to go on with the Report next year... would it do if I went to Yellowstone instead? In you are <sup>to</sup> report J. A. Weller

we may be thankful that they go so comfortably close to them artificially & as when else - I have tried my best hunting vary for an entomologist - I am satisfied that the nucleus of the seed is all there that entomology - finding that in from its top turn <sup>its</sup> similar to that of Balanophis, where the bracts is often ate but imperceptible, in seeds much larger than those of Prunus <sup>dry</sup> <sup>in Oliver's</sup> <sup>abundant</sup> Oliver.

Dyer & I, with Baker, have made a thorough overhaul of the indiscriminate mass of duplicates, manuscripts, & books & pencils for all manner of people that Oliver has allowed to accumulate without his attempt to deal with them for 15 years. Poor Oliver is so far past work that he has completed last interest in the work of the Petromia, & in most but his hand to

what he does not like. He is <sup>now</sup> far  
narrowing, & will I suppose soon start  
wh altogether - he threatened this to me  
the other day, because I ventured to mention  
complaint of his never telling me  
of a collection of tropical African plants  
~~that were~~  
<sup>coming to New York</sup>, which he had offered  
<sup>from America & Burton</sup> advice, he maintained, & maintains,  
that it was as duty of his to inform  
me of this! I could not make him  
(putting aside the interest of such a collection)  
see how <sup>^</sup> beneficial the plants are,  
when asked about them, to have to say, "it is the first I have heard of them."  
He conjectured that he was growing  
irritable & unfit for work: he does  
not seem half pleased, or rather he does  
not seem displeased, at his present low  
of salary - I suspect his motive is fear

that he feels he has no further interest  
in Botany, & whilst too too remunerates to  
regard it, as he ought; as a reward for  
past services, he naturally regards that  
it should require at least a share  
of interest in his work & position  
which he does not feel.

Well, to return to the accumulation, we  
are going to send a large lot to you,  
of what we think you may care  
for, with the request that you will  
turn over what you do not want  
to us.

We go to Southampton on Wednesday,  
for B. S. the Saturday, when we go to  
Albion, 1 the Monday, Hycath will

I hope stay for a week & then  
H. S. will stay with Mr. Davis.

Mr. D. has taken a large family  
house at Cumbria, but will keep  
down for the present. George F. Walpole's  
(botanist) death is a dreadful shock,

Stormy & cool.

Evening

P. Hooker

Sept 1/82

Dear Greg

A note has just come  
from Goodale saying that he is  
in London, leaves a Saturday  
& has no time to come to  
New - offers to take care of things  
for you -

I sent a big box a week ago,  
& the only supplement I can  
think of is some scraps I  
the scraps, <sup>we have received</sup> of a new species  
of my new Genus Dyera from  
Sarawak - a Providence of

The Garter Shrubbery. The genus  
is now Astelia, we have  
now 3 species.

I have no news. The Debs go to  
H. Voges a Monday. We have  
a pleasant little meeting of the  
B.A. at Southampton: - the Biology  
was literally nonsense - I got a  
£. 500 grant towards sending a  
naturalist with them to  
Kilmarnock - Pitt Rivers is  
coming to go. Will cost £1000  
I think at H.R.T. to  
come down for a good deal more.  
We stand at W. Darwin's pretty

place, our old friend Capt. Ashburner  
of San Francisco breeding, was staying  
there & Mr & Mrs - a  
charming pair of States, both very  
pleasant people.

On Saturday we went on to  
Allerton & to have a trysty.

I hope I have engaged Oliver  
to keep such a cupboard for Prof.  
Harvard as you have for Rev,  
& to put such things as scraps  
of Oysters into it in future...

I have just read (in the Evening)  
a very interesting account of Montana  
in the Century - which has again set  
me longing to join your host next  
June. a indeed they say I  
read of America over.

We have a wretched autumn again.

May 10' does not suffice. Let  
collect it - 3 or 4 references;  
volume of pages & plates.  
This is quite exclusive of Vol. I.  
which we do not cite at all.

We are still at Bagshot - but I  
wrote a Saturday - the house  
is above ground & proportional  
expenses rise with its! I have  
now sold all my retained  
books but what are necessary  
for Flora Indica - as they go?  
feel like the drunken wenches  
in the song to "Here goes,  
A Pembroke { "none give,  
when she took } "left clothes"  
the last petition to have

I have just got leaves & fruit  
of Bermuda Palm, it is a noble Treacle  
Sabal, ten times as big as the  
S. Odeoniorum. You will Knawell & the

Mr. T. Murphy.  
Mr. J. M. Mohr

Dear Gray,

Will you kindly send  
me by post a couple of them  
little mounted pocket lenses  
of which you had a pattern.  
It would save trouble &  
will prevent cost L maker.  
Please - did I not tell you to  
be with me to S.Y. until you had a pattern.

Thank you much for  
preserving copy of pipe of the  
Boomerang Hooker.

Yours faithfully yours, which  
must account of my handwriting  
being better than usual (.)  
find that I can read the above

Sept 17/82

I am gone to Alcaz with  
Harriet - Smith is on leave,  
Jackson with, Baker sits.  
Ditto "my" Clerk - who we  
find of great use to Dear -  
I am too old & fit out of  
old ways. - I bite the leading  
String the following morning  
& so forth in general.

I am revising *H. Palma* &  
go to prep next week. It is  
quite the hardest work I  
ever undertake, & makes no  
show, as the genera are all  
other people's, at least 2/3

I then have all the discredit  
of not having given them all  
happy Nesbach. On a calm  
review of the work <sup>first</sup> I am not  
unconscious of Martin's work, which  
upsets <sup>in part</sup> his ponderous. Considering  
the material he had  
& the time he was over it, he  
might have discriminated the  
genera much better - & the  
work itself is a "model muddle".  
~~Not~~ You done more to obstruct  
the progress of Phanerophyta than  
it has advanced it - probably.  
- I find that the mere review  
& check the citations of each  
genus of that work alone  
takes an average of 4' each  
of getting up & down the  
ponderous volumes. & for

Carpenter on my street. Houghton can  
be as annoying as Carpenter can not.  
Dawson does deserve great credit; it's  
a pity he is so big-headed. Did you see  
his son? is he not promising?

Thanks for all your trouble about  
the Fish Game. we shall give it over  
but reluctantly.

Oliver has returned from his holiday  
much the better in every way.  
We are working the church ~~down~~ plants  
into other places, but my difficulty  
is to ~~have~~ have some one of the men  
properly trained & the arrangement of  
the lumber goes quickly. There are  
much more of the following the purely  
graphical arrangement for some, &  
all others for others. - We have helped  
to find a Lumber a Potentate instead  
of first knowing all about it. What is just  
what we want to avoid. Except those  
none of the Apts have any accurate info,  
& he is too useful in other ways.

Brown Rd 23/32

Dear Troy Here we are, back to  
Troy & myself for our first visit to  
this house after Mr Dennis' death.  
It cannot but be a sad one & is  
aggravated by atrocious weather, gloomy  
rain & furious gales. Nevertheless it is  
a great satisfaction to come & find  
Mr Dennis so plaid & comfortable.  
With Miss D. there is no one here  
but Frank & his boy are to partake  
this evening - We leave tomorrow  
for New, having arrived yesterday  
(Monday) from Mr Shatto's woods where  
the P.R.S. is laid up with a broken arm  
from the overturning of his tricycle!

Mr Dennis with wife in Mrs' Room,  
& there are several Parsons & his  
wife will be caretakers - In a few days

Sh. over to Cambridge, to a furnished  
house late in the year they  
have bought & will want  
a good deal doing & it is ready.  
The latter is about 2 miles from the  
Metropole on the Huntingdon road,  
stands in some 10 acres of ground,  
& will have small garden & many  
bedrooms. Frank will be its head  
of course, & they will return here in  
all probability for summer quarters.

I have had a long talk with Mrs D. this morning about Darwin's last illness. It is not exactly known what he died of, though it is evident he had a weak heart, & probably a diseased stomach, which acted on the heart.

You must think me very  
ungrateful for never before ~~had~~  
mentioning you must have thought  
respecting the tiles. The fact is that my

wife wrote yours of Sept 17<sup>t</sup> reveals  
so promptly I had read it, & until I  
got <sup>the copy of</sup> yours of Oct 6<sup>th</sup> asking for  
dimensions, I was unaware of the  
kindness. I am slow for putting the  
titles in my sketch. & as soon as I can  
get the exact dimensions from the  
Architect I will communicate them.

I quite agree that the P. L.  
should not go to Canada, though what is  
to be done with it I do not know.  
As far as is the most ungracious &  
unscrupulous measure on Good as  
advises & ratifies the preference (&  
excepted) limitation for 1863. on the  
sole ground of Currency being unknown &  
not a ~~sure~~!.. This threw the A. S.  
upon Southport, a new & unknown place  
on the Lancashire Coast, which stood much on the high, but  
in the Lancashire Coast, to which I fear  
the habitudes of the A. S. render - with such  
timidity, though I dare say it will be  
a large meeting of Lancashire manufacturing  
worthies. Your remonstrance of the Montreal

go over it with R. B. I. I am sure we  
could send you lots, & of the E. March  
is done I hope to have more time on  
my hands for that, & Hardin's never to  
be forgotten Robert!

I have not yet thanked you for  
your present of Darrow, not opened yet!  
This must come into my next, which  
will not I hope be so long delayed  
Now I much assure you boy -  
With My affec'ts love to you

Ben Webster

### Mr. Wheeler.

Your notice of Darrow is excellent.  
He was very ill for some 2-3 months before he  
died - having had attacks of Heart like Smith's  
Anorex (which he called his "old" "nothing wrong with  
that") - but some weeks afterwards said "Quercus  
Festuca" - he had been forbidden the writing  
& was carried up & down stairs for several weeks  
(3 months perhaps), & was greatly alarmed about  
himself - his grandfather having died of heart  
disease - nevertheless I think the basic disease  
of stomach that acted on the heart, which may  
have been weak.

We have begun at last to print Palms  
for Gen. Plant - & part of the Miss  
work to prep. The 2<sup>d</sup> part of  
Dried i Mortier corner out, helping  
involved no serious change, if any.  
Dried her out the grit of their ~~that~~ <sup>that</sup>  
Woodland has. Penrhyn is pinching  
up Eriocaulaceae & then my Her to  
~~no Restionaceae~~ & will be up of Cyperaceae Gramineae  
& then will still the printing - He  
is remarkably well though complaining  
of weakness: he dislikes to come to us,  
even for a walk.

Mrs. Harvey is a twin with some nephews  
& Nieces, ~~she is old but~~ she is all tact-  
fully blind, & sent for us, we called  
immediately & found her very cheerful.  
She was living next door to our  
Hotel at Florence! & only found it out just  
after we were gone. She can just see  
light out of one corner of one eye, ~~the~~  
her dear hopes of better things & that  
she alone: Catarract inflammation & other  
~~comes~~ combined to produce it. She  
shook herself off however, late events

having called forth so many impudent  
characteristics of  
the <sup>nature</sup> bulk blood,  
are Cleopatra &  
of the Cobras for any good purpose.  
With thy hand all have their rents to  
her people.

We have seized settling at the 2  
Washington, <sup>anti-slavery</sup> to make a man  
your displacemeny. That would have  
been dangerous till we heard from  
you. In fact the game is all in  
your own hand, for we have neither  
no connection to Washington or  
the subject <sup>of which about 4/5 are now here</sup> of the collections. It would  
be a grand thing for Vasey to work  
at the division under you a  
sermon. By the way I am naming  
one of the Southern Palms Serenia.  
- the Chama Hystrix. I am still puzzled  
with the Bermudian Palm, of which  
I have just got leaves &c. It is a very  
large Taxodium with differences from

Astamone, but not so large as the  
Canna M. Madre over... Can it be  
native? There are groups of them in  
Bermuda, of which I have a Philosophical.  
We are hoping L. have Kilmarq are  
captured. The B. A. has given £500  
& we hope to get another £500 for the  
Govt. vault & R.S. & Dr Atchison  
volunteers to go. - We would accompany  
Thomson who the Geog. Soc. are sending  
out into Africa that way, <sup>the world</sup> to stop  
at the missions. It will be a risky  
thing on account of climate & natives.

I am laboring at Archiphiodes for  
"H. Brit. Ind." & have to make a  
new genus already out of Toxicarpus.  
I am puzzled to distinguish between the  
tribes. Mandevillea, Carpoquilia & Piperia.  
I heartily wish I knew what Indian  
plants you wanted, H. Nebraska is  
getting introduced with duplicates. If  
you need but a young hand who would

he had scope to. He did not impinge upon the "Contributions" in his later works.

Did I tell you that Lawson is going out to the Cuban plantations to Masha, & does not know where or how to look for another paper for Oxford.

Have you seen an article in Macmillan Magazine on the "Prejudice of wheat": it is interesting how it affects the alteration & gives the approval of the authorities to what seems shallow trash with a load of deep trash.

The world is all excited about the attempt to murder John Lawson - Dublin, & Teruggi's new drama being played off the stage at the "Felic" theater, with "the grand old man" there to see its first performance. To my mind the said drama is morbid macabre & unfit for any story for any good purpose. Did you hear Teruggi's Ode to Virgil? I can only hope he was in his cups; if not he must be a child prodigy.

The tiles will be in plenty of time next spring. we cannot tell the size or tile the kind of grate is settled. I shall just run kind of off to help Mr. Wooller

done & capture  
the house of Mrs. & Uncle of Webster & his wife & bit of timber before  
they get back. I also take down  
the Newgate of the  
Worlds big 2 weeks  
ago & now

dear Gray

Nov 13/12

The audience for the  
voluminous Paper come addressed to  
you! - these days also.

I have yours of Oct. 28<sup>th</sup> &  
have asked Oliver about the  
removal of Josel's things. He  
tells me that a further settlement  
will be ready very soon. for that  
Walker is at work on them with  
his wonted ardor (& impatience!)  
I am delighted to hear that it  
has been so useful to you & that  
it will help to fit you a good  
habitation for the winter.

We are greatly annoyed with

The American "Spencersons" - & we  
have had a good laugh at the Club  
over the old "rule of sweetness & light":  
what we all want to compare with  
"boiled gooseberries".

There is a long article in to day's Daily  
Telegraph, criticising Spencer's lecturing  
you who you want of relaxation  
& pleasure, & showing, in trying to  
show, that Americans spend far  
more time on relaxation & amusement  
than do Englishmen - what is  
that very foolish.

We went for two days to Mrs.  
Darwin at Down, & found her very  
cheerful & friendly, but not over well.  
She was delighted at the air & so  
affectionate - but to me it was a  
very melancholy visit. For I could  
hear Darwin voice above the house

I fancy her calling him under my  
window to take his round of the land  
walk with him. Frank & Liss were  
there & a baby boy & "Suburb" (Bernard)  
made great friends. Mr D. has now gone  
to Canada to lecture & home talk  
there soon is ready - the old Kitch  
Dinner for the present. Mrs D. has given  
me the marvellous blue hump in his study,  
& it now hangs over my chimney piece.  
With the Kitchenside that went over the  
fireplace with me.

I am in the middle of printing Pictures.  
Katherine is suffering <sup>(now 6 days)</sup> from acute rheumatism  
of the heart & neck & complain of stiffness  
in joints, but no one at Hubley - she drove in  
this afternoon & her condition is  
becoming worse, as I have the responsibility  
of her - I have £500 for the B. & F.  
but as much from the R. S. or fund or  
~~between them~~, & that ought to do. I have  
written to ask Scherzer whether it is safe  
undertake the job.

I have just made your interesting  
little note on the progress of the American  
"Flora". I am still toiling at Adeps.  
for the Indian Flora. I am surprised to  
find how well Wright did on the

much & that I cannot do or have  
work needed on me. - I am  
going to represent the whole condition  
of New to York. i. the return of a  
small Treasury Committee being  
appointed to examine into the  
whole matter. They are demanding  
money like water on the Post. Dept.  
of the B. M. - They are at present in a rush  
now to file the space that was  
given to the Post. Dept. to contain  
the New Collector's! - It is  
filled with magnificent flap cases  
containing many thousand pieces! &  
into what they have nothing  
to put! - They have been forced  
into this few & very poor for  
a fortnight, but is now picking  
up. - We hope to go for 10 days to  
Europe next week. - With  
love to Murphy in affec  
W. W. Walker

Nov. 2 1881.

Dear Gray

I am glad to think you  
are both back safe & well: yours  
of 13<sup>th</sup> arrived last night & fully  
has his portion.

I sent Lang's books back  
yesterday through Turpinia, a  
week of Lincoln's works & some  
on a two of Tennyson are present,  
& a copy of Post. Beecher for  
which he was to pay £4.5.0  
(the price I bought it at). I have  
not received the money so far  
as I can make out. I had as I  
am in money affairs, I think I  
would not 1) have forgotten & 2)

have omitted & will do by letter book,  
3) have omitted & draw it. 4) to  
find it in my Bank book -- I left  
no letter of his states that it is  
such; my trust he will send it  
when he has time & get a bill  
of exchange. I have written to  
him.

Fuseler - I have heard of me  
for months. the state of dealing  
with him; - We disposed of the  
plant. - 3 sets

Kew -	L. 12. 2. 0
Brit. Mus.	G. 12. 6.
Schuberg	I. 2. 9.
Cape	b. 1. 9.
before	<hr/> 5 9. 6
	40. 15. 0.

You said you did not  
want a set of  
these plants.

which I owe him, unless  
 freight & trifles. - I want no  
more such unproductive bother.  
N.B. he does not say to whom I am  
to pay the proceeds. I must write  
back now. There is no end to  
such small worries.  
Ellen is I fear rather a goose - he  
writes long stories about nothing,  
or only just so much in the hope  
as to receive an answer. He is  
rotting round about Turne.

I have just sent off your Clematis  
yarn

Poor good of Wimbleton is dead,  
& has left his Herb. & Choice of his  
rare herbaceous plant to Kew.  
- A memorial advocating the establish-  
ment of Park Grade at Kew is before  
the Board - I ~~had~~ have pointed  
out that it is better to bring back  
with cost money to make old

Dec 7/82

Dear Frey

Hear from the Aldermans  
today.

We are in trouble again about  
Smith, whose daur. died last  
night, after about 5 months of  
much suffering under a very obscure  
disease, - tubercle in the kidneys.  
She was a fine tall girl, & a  
great comfort to her parents,  
who have now only the one son,  
& considering the antecedents of  
Smith's family, & his <sup>son's</sup> looks, I  
should not count much on  
his vitality. Meanwhile

Poor Smith knows now he had  
another angina attack, brought  
on by anxiety & careless diet:

This has however passed off:-  
I was ~~awake~~ up at 4 am  
last Friday & found him  
rolling in the floor of his  
sitting room all alone, while  
his wife was nursing the  
dying girl up-stairs. His  
apartments were pitch dark.

My hands are pale, & you  
may suppose, to no more  
at present for safety's sake.

W. W. W.

be most thankful of your usual suggestion  
any improvement. The 2<sup>d</sup> Dr. was very  
hurriedly printed.

Bentham complains much of shortness  
of breath, he could hardly walk from  
Atheneum to Charing X. I fear this heart  
action is failing, & he is evidently anxious  
about himself.

We are in dire straits about Smith,  
he is so weak & ill - & we have no  
one in the establishment to take his  
place over the whole staff! - it is  
awfully anxious work. He is gone to  
Cornwall.

Very affly yours

P. Hooker

A huge box of Jard K went to  
Dr H. M. S. today

July 4/83.

Dear Gray

I write very early & now bother  
you again.

I think I sent you the fine sub  
of Hab. Starkey & Winterbottom. That  
would be the Linn. Soc. If so you  
have in it a regular puzzler, of which  
I want you to send me the specimens.

It is a very insignificant & tiny  
plant from Sumatra, which for a very closely  
allied species has been lately published  
by Maximowicz as Circaastrum  
in Proc. Acad. Petrop. 345, <sup>345</sup> Transl.  
Proc. Acad. Petrop. 345, <sup>345</sup> Transl.

P. Hooker could make nothing of S. &  
W.<sup>2</sup> plants. I made a very careful  
& to drawing with analyses of it for  
the Linnean Soc., what was  
unaccountably lost.

Two years ago Mayrino my son sent me  
the specimen, which I could divine  
the affinities, & I immediately recognized  
its likeness to my long lost Himantoceras  
plant.

According to my recollection, <sup>the</sup> flowers  
that I received were much more  
regular & complete than your specimen,  
or rather than they <sup>then</sup> makes it out to be for me now.  
As we have to calculate the Gleason  
The supplement of Gen. Flora. it is  
important to note this.

No one else has found the plant  
in the Himantoceras, though its habitat is  
a very conspicuous rock, forming a  
well known halting place along  
one of the most frequent roads  
to the paper. I have often written  
of Subembryon over & over again to  
visit it there - when he came with

fail to find the plant (for Starkey)  
Mayrino has since found it -  
except the set of T. & W. plant.  
That went to St. Petersburg.  
~~He has~~ ~~now~~ ~~wants~~ ~~nothing~~ ~~of~~  
it I was inclined to suspect that  
it was an abnormal state of some  
Ranunculus ~~very~~ - but ~~not~~ <sup>but</sup>  
truth it is like nothing at all.  
Hinc, also he received ~~was~~ <sup>now</sup> ~~now~~  
specimens, related both Bentham  
to Cheloneanthus, an opinion that  
Dr. <sup>x</sup> has adopted (as his own!) but  
which, if my recollection of Starkey's  
<sup>Mayrino's</sup> description ~~descriptions~~ <sup>are good</sup> I cannot share.

Bentham agrees to Serenoa if its  
like <sup>the</sup> Serenoa!!! & I am to stand  
again at your dictation Oxybaphus.

Have you any more abuse to launch  
at the Thlaspi, British Flora? if so  
please furnish it, as I have to prepare  
a new edition. Taking a peep. I shall

with the Scenes that do not interest him  
& that he would not speak on subjects &  
improve; nothing is beneath his attention -  
& his talk's decoration is as good as his  
literary acquirements. Practically his Director  
is like the Arborist, & I simply regretter his  
wishes, & answer a bulk of the letters which he  
thinks the Director keeps silent. If he were  
to be I should in all my acts tend to connect  
much of the official work with India & the  
colonies. His gentle form Mrs the nice  
Director, & a young capable Mr. Director -  
having under him - it will take such a  
run several years to get into the work.  
He however does not want the Directorship if  
you are going. I guess not; he impulsive  
practicing & practically conceiving of ~~not~~  
very <sup>without</sup> supported at the same time getting  
his own way, in every thing, & I am bound  
to say it is almost always the right way! -  
Special

Enough <sup>official</sup> life is no diversion, but I  
much ~~want~~<sup>wish</sup> to see it for a year or two if  
life & health are granted me & my  
hobbies will only be reasonably bad.

Dear Harriet since we were at Plymouth  
we have had at the Camp. our much-<sup>needed</sup>  
nurse for him. My sister Maria has left  
Devonshire & with her will be married daughter  
Mrs Newcome now at Leobster when she comes  
to stay. In charge of her Mrs Hollis

Aug 16/83

Dear Grey,

I don't understand your  
difficulty about the Spanish name of  
Serenos, is there any objection to  
Serranos; which I suppose, gives  
without raising "as you would say -  
I think you greatly exaggerate the  
amount of new naming in the New Month.  
I really have examined very closely  
your Wondland' list in the Harkone  
de Dentelles "les Patricies"? you  
will find almost all there. My names  
are pretty well Wondland', with this  
difference that whereas in my  
names, I had to ~~try~~ & describe.

I suppose that you see passing me  
off for my districts against yours  
American system of publishing any - how  
very where is the Rainey Report & Co.  
While, my book is Anti - broad, but it  
is specified! & up to the recommendations of

the gun Plant. I have turned in written  
over to Hall. See & Bliss, & work  
my hands off it.

I shall spend  
whatever day agree to, & make  
no difficulty. I should like to see  
some reference paid to Southards' work  
statements & some consideration to his  
work in the mettle: but the States &  
Penns will have their way, & the  
Confederates allowed is their written less.  
You are right - human power of work  
& I fear Dr. & I measured them. You  
say we are weak. ~~now~~ to name our species;  
the answer is, we could not do that  
without first doing the service, & we could  
not do both. You now ask me to go  
in with it, & I flatly would not do that  
but here I am with a large family, &  
at 67 have to work for it, as well as to  
carry on my official duties - You say let  
Ayer do there. Well, he does a great deal,  
but he leaves & indeed gives over as  
much, for he increases the work immensely -  
& is behind-hand in his work, from his  
terrible habit of procrastination; & his  
grasp at <sup>his</sup> work, see continuous & fearful.  
I keep out of the rooms with Grant & Oliver,

but ~~watch~~ <sup>such</sup> a hair-brain is a curio  
you can not conceive; & that is necessary  
for my spiritual health. Oliver won't go  
an inch out of his way for the sake of him or  
the establishment, he is always trying to go  
ahead. Not only does I think always  
large correspondence to carry on with men  
like yourself is a waste of precious time &c;  
but I have it necessary to manage,  
now a great charge, & conserving a great  
deal of time. When I say when you go to  
see Grant, I am not quite fair, for  
he has done Marvel, "The General",  
Daboray, Webster <sup>Woman</sup> &c. & the  
& the <sup>magistrate</sup> of the White estable shanty,  
as well as for the development of its  
resources, operations, & especially utility. He  
works his full share of official <sup>work</sup> time,  
but this is not giving his life up to the  
jan & do the like at night, as my father  
did & I do - he has not health or strength  
for it - on the other hand, he has marvellous  
faculty for work, a wonderfully clear head,  
first rate memory, & both well & methodical  
in the brain; though there you must test  
the health, infirmities of temper, & a bad want  
of consideration for others; & what is worse  
all in official dealings, he "cannot suffer  
from Craft". There is no one subject connected

Aug 27/83

Dear Dray / send me Oliver's answer  
to your query.

You have I suppose an account  
with us - if so will you kindly pass  
the enclosed A. L. from the Historical  
Society.

We are all home again; after a  
fortnight at Ribblesdon from whence  
I went up & down to New

Smith has returned much better  
but to meet another disaster; - his  
son brother a carpenter in Liverpool  
has had a log of wood fallen on his  
head & his reputation dying in  
the hospital:- he has a wife & 5  
children. I up to night. I have  
from the Board a refusal to my  
strong appeal I made for an

increased to his salary. I must own  
I supported the refusal as his salary  
£500 & home Coals & Gas & £1. is a  
high one & I advised him against  
the appeal which however I supported  
as strongly as I could on the strength  
of Board's resolution to open the gardens  
at noon in future - a wh to Corbeau.  
Our Chief Farmer who voted for the  
morning opening in the House 3 years ago,  
now says that Nelly would induce  
him to open earlier than noon! - I  
advocated a noon opening at that time,  
but the Board would not listen to it.

Hertha complains much of weakness  
& shortness of breath, & has been overhauled  
by a doctor, who tells her he has no  
disease but feeble heart, of which  
she will get better. Meanwhile she is  
thrusting herself about trying before

Dr. M. A. to find her. We have  
made two more vain attempts to get  
him to pay us a visit however short.  
I have seen very big with correspondence  
& sundries of late & must now take a  
shelter at the Indian Club.

With love to her  
Yours affly

M. W. Cooke

Should like the brown tiles for  
my study fire place. & can make  
the joints to fit the tiles.

My roof is on, & the house looks  
wonderful with i position -

By the way this talk of Brit.-Afr.  
going to Canada in 1884 is a horrid  
nuisance. - how can it fit in to our  
trip to Vancouver & San Barbara?

Feb 3/83

Dear Gray

May happy returns of the  
dear to you & dear New Gray from  
us both. The lovely white book for  
Joy has arrived quite safe; in spite  
of it's Saturday when we shall  
much at Hillsboro whilst Mr. Butterfield  
has been with us for a few weeks.  
We spent the yester week with the  
Hodgsons in Gloucester. Mr. is wonder-  
fully well & strong though 85 & takes of  
every day to May & February.

We left yesterday I carried home, my  
wife with Gran & Reggie going on to  
Taunay where my sister is laid up  
with Cough.

On my return I find Smith no  
better & we have started him off to

formal for charge of air.

Mother is going well but complains  
of shortness of breath, & desires she  
may visitation - a great pity I think.

I have just received bolts from  
Fatale Text.

How sharp and I did not send  
you the 2<sup>d</sup> part of the New Zealand  
Handbook, my last effort at Cryptology.  
I have reduced it to be sent to you -  
a present of course.

As to Serena - it was only after long  
consideration that Thornton decided  
on it as unquestionably the right  
thing. Service is a loss in point.  
The people being asked to contribute about  
a mile sacrifice for Leopards -  
how do I seeably it is bad for being  
famous, like Gracia Hooker.

Candollea K.H.B. I wish to thank  
Thornton says (he is not here to day)  
Brooks suggest that J.W. called  
himself "Terence"! - or the compleat-  
way out of it.

I have no more news & books  
of interest until

In C.W.Y.

J.W. Hooker.

I have had a heavy load of work  
with the Antipodes & have 7 miles  
& several fine new species to make,  
one with indefinite distribution  
do you know any thing  
about it? The specimens are  
described down here there  
but it is not known: Specimen  
anything, & its no character for  
the other Stapeliae - they run into  
one another.



The other Stapeliae - they run into  
one another.

Please let me know when I

The fire-plane which we were setting,  
but until it gets an engine or  
the tract we cannot be fixed.

There is no hurry. The work proceeds  
slowly but well, & the weather is  
terribly wet.

Harriet is not staying - the Hodges  
will take her to Farwell with them  
in a few days, & they will follow.

Clarke goes back to Middle East  
next month. He has finished the  
*Caudexina* & *N. S. I.* leaving me  
scripts & lab.

A pitch into Mueller for abandoning  
the movement of H. Anteb. in his  
immigration - it is too bad & a great  
step to Neutrum. I wish Prof  
Abel would take up the matter of  
a uniform system - a bad one is better  
than none.

Very affec

W. W. Nichols

Feb 19/83

Dear Gray

Menges specimen of  
Chrysanthemum maximum are  
identical with Blepharone  
Californicum.

We have an authentic specimen  
of Taneacetum paniculatum. We  
sent Clark to Brit. Mus. to  
hunt. He found Richardson's  
things not yet laid in! &  
no Taneacetum was amongst  
them.

We have now selected all  
we want of Schimp's Lichens  
& a splendid lot is left. I  
thank you for asking me whether  
Farmer would have them. I

do not remember if I put a  
price - Baker values them  
at £30 - say £25. If you  
do not want them I dare say  
that Rupie would be glad  
of them. There are fine sets  
of Spencer's & many others arranged  
there, & they will take a long  
box. We debased the money  
in supplying Crombie as our  
Libens.

I have no news - Henry Smith  
is a great loss. I made him  
Chairman of the Metamaterial  
Committee, & we shot well  
but shall be replace him.

(Mr. G.)  
you told us of Prof Crombie's resignation  
but did not tell us to whom it  
is to - a son of Sir J. Night - one  
of his other children - News  
travel strong to New - via America!  
Rutherford holds on, but complains  
much of feeble health.

I have finished Asclepiadaceae  
for H. B. I. !!! - an awful job  
there are many new genera still to  
be made - I had to create 4 or  
5 for H. B. I. & there are others <sup>40 sp.</sup> !  
just over the frontier. Hoya,  
Cephaelis<sup>36</sup> have caused me the  
end of trouble, & between them they  
have been metted the bottom out  
of your copper blossom (hyperbolically  
speaking).

Leave to New York the beginning of

We are doing about determinations  
Dear written to Babington & the  
Cambridge men

By 29/4/5

Dear Frey

In primis please thank Mr.  
Watson most cordially for Dryer-  
Thorels for passing the J. of Brit.  
Gazette:- Also

- I owe you for Fish & me - would  
you like to set ~~these~~ <sup>against</sup> the  
specimens attorneying the parting &  
transient difficulties depressed by us  
of the pale collections? As far as  
Smith & I can make out there  
would already meet one another, I  
mean over actual valley.

- You say you cannot remember  
where Circaester is described - Surely  
I give you the reference in my letter, L.  
My innovating description is the <sup>more</sup> Babette.  
Bentham still insists on Chileocntheaceo

Symploca corpus, - we have this in the  
bank at Kew, & is the best of my stupidity  
I think the characters therewith. I dare say  
that I modelled it up with Fontainea, or  
something else - Michaux says it is a  
water plant - wrong of course - but enough  
to justify our treating it as such.

Clarke goes back to India next week,  
leaving a good, worthy H. M. I. Col.  
Moneypullela: my hands, I have however  
to do Scroph. & Lobeli.

I am printing Ischaemias, & a review  
of many with Reddome & Clarke agrees  
me that I have done them pretty  
well, but it has been a very heavy  
job. Clarke & Clarke's work with filic  
H. & G. N. I. are also gone to press.

I am exercised about British Flora I  
should arrange it now by "British Mountain"  
throughout - & this requires considerable  
attention.

Mr Miller is calling for a new edition  
of the Primer with more wood-cuts -  
Matters are coming to a crisis about  
South, he does not get better - much, X  
he has to own that things are not as  
they should be in the Gardens, Grounds,  
Flowers. Dyer & I are helping to  
organise a great reform: the  
administration, especially as regards  
foremen & gardeners, who are now  
out of discipline altogether & most  
unsatisfactory, besides being over-paid  
for the work they don't do.

At present we are very hard pressed  
just now - we are to have a consultation  
at the Board about it tomorrow.

Harris arranges H. Hodgson to  
Lancaster Saturday - she is thin &  
poorly, & Dyer will follow in about  
a month.

Thank you many of the notes of British  
Flora

Yours etc  
P. H. Hooker.

March 16/83.

Dear Gray

The missing fract. bundles  
are all right & will be forwarded  
with the remainder.

All the packages for others that  
came in your last have been  
forwarded as requested, except Hale,  
& for the Lake, which will go in  
due course.

You say that Lemmon's fascic.  
contains 80 species, change \$8.-  
but it contains only 64 species  
Pringle's contains 80 -

With regard to paying for  
Lemmons, I should think he  
would not be well ~~not~~, seeing  
that we sent him a truly vast  
collection in 1881. including the first.

sets of duplicates British & European,  
of a general  
reviewer of  
plants &c &c. C.H.P.

Stockbridge  
Mass. America

You will have enough of  
Growth Allen's Speculation Notary  
before you have done with him!

What is the sense or meaning  
of Goodale's review of Vergnae?

I have not read Vergnae, but  
Goodale is absolutely intelligible,  
from beginning to end. Do just  
look at it. Let me if I am very  
stopted.

Send my best regards & I  
am seriously unbalanced - It ought  
to be punished - the poor fellow  
has written & written, lost his  
fathers death & only brother, It  
would be cruel to burn him out  
of home & human & reduce his

income of a half two or three.  
We are doing what is best to be  
done, except to let an action  
of replevin, which will have  
to be faced or him wantonly.

Very affly

B. W. H.

of the Academy, for which Smittes  
Museum gives the opportunity, &  
I shall have a Messay Committee  
to sit on it. As I propose no  
further remittance I expect it  
will go off well

My wife & I called on Brewster two  
days ago - he seldom comes out.  
was - & complains of increasing  
breathlessness & of being very lonely.  
This is distressing; but there is nothing  
to be done - He is the most interesting  
man I ever met with socially.

Very affly yours

R. H. Hooker

Mr & Mrs Gould spent last Sunday  
here, we liked her very much: she  
seems to like society.

March 24/85.

Dear Gray

Two cases left this morning  
concluding the bird collection. They  
contain the following

1. Band of New York
2. New Zealand (catalogued)
1. Place for Flock from  
Norfolk.

I have just found a dredged  
plant in the Forest Park  
R. 918. 18 (Argo), line 7. for petals  
"tate valvata", read "valvata" -  
which is the character of the  
whole subtribe! in part I  
established it upon.

I have just finished cataloging the  
live palms here for the 1882 Rebut.  
we have upwards of 400 species. The  
naming of them has been hard &  
by most frustrating work.

I am writing by this post to  
you asking you what prospects  
there may be in America for  
my son starting in the mining  
or Metallurgical career: what  
with such interests as I  
could give him, notably  
A. J. Kennedy's to name but:

The way of a modest livelihood  
to begin with. Having three  
more children after Brown &

Esther & Paul out I am much  
anxious to get him off my hands.  
He is perfectly healthy, hard working  
& of fair abilities. <sup>In his</sup> Please well,  
though not brilliantly, at Work  
& Play. - If I knew Lamberton's  
address I would write to him.  
Can you talk to me? or would  
you mind asking him if he  
knows of any openings.

I have not been quite right  
lately, trouble with wooliness:  
the head, & especially evening or  
regular in the evening, so that  
I can hardly hear what is said  
to me even to distinctly. I suppose  
it will go on its course.

We are going to make considerable  
changes. The intense stimulation

your definition of Aerogens (Man. Bob Ed. V. 32.) which attributes to the Aerogenes lovely traits & properties.?

I have been reading Carlyle's life by Browne, when the whole the much depressing talk of him that I was interested - what is your impression?

The House proceeds very slowly but the sort of work & the material are altogether first rate. Lucy - is it worth it? perhaps as an investment certainly not as a venture for my wife or my wife.

With love to Mr. Gray

See you at Gray

Or else

J. W. Walker

I read you & Remond's contention, but I must say without the subject I would wish there is much beating of the air in all such metaphysical discussions.

April 6/75.

Dear Gray

Does Vasey of Dept. of Agriculture get a share of posti plants? Please tell this, because Vasey has sent us a lot of good things, & we have the remains of food to distribute, which he might have.

In standing you the food bill -  
our cost as Carter £ 1. 7. 0

Shipping agency 1. 16. 11

Boxes. — 6. 15. 0

£ 9. 18. 11.

Against you £ 4. 10. 0

£ 1. 8. 11

Shall I send you the bills?

Hannet is gone to Camus with  
St Hodgreen, & dear poleson at  
Frederick - Smith goes so soon  
as I can spare him, on 6 months  
leave - Do we i despatch - I am  
nearly sick of the administrative  
duties of the place. Dear takes  
the official correspondence admiringly,  
& we great help in all ways  
- Museum entries, Library lists -  
Polar House, & like tasks - so  
I should not complain.

Wife is gone with joy to Western  
super where when her parents are

for a few days away - Joy has been  
going for bills with the sudden  
heat, for this, like any season  
I ever know, has seen the most  
extraordinary even known!.

Frederick is very poor, & proclaims  
himself failing fast: but I hardly  
dare it, though I do see gradual  
change. He told me he had  
had a very unhappy life, broken by  
very too sorrowful, his wife's health  
preventing his keeping employ, &  
the Lincoln affair, which he  
regarded as having disgraced  
him mortally! - Of course I tried  
to dispel these illusions, but  
~~without much success.~~

Is there not a slight error in

his affairs. His <sup>great</sup> Niece will inherit of course,  
but he did not give me details of his  
will.

Answer

Bogota April 13<sup>rd</sup>  
1944  
April 28/43

I enclose sketch of the changing scene &  
the Govt's kind attention.  
With much love & best  
in copy Jr

B. Moller

Spathwood is my busy. housemate, I hear  
sent to Riviera. Hurley has been  
a week in bed with something of the  
sort. Francisco will be here to day -  
Mons. of finance with visiting States is  
my ex route to England; you will  
I think like him & his wife too.

Dear Gray, I enclose Alvaro's most kind  
answer to your queries about the  
Antennaeas - I guess you have had as  
nice a job with them as I had with  
the heliconias. I should be sorry to leave  
to collect those of the 2 countries!.

I am grumbling & talking - over 300  
for 1st a Tuesday & Smith for his  
& mother leave. I had a complete  
overhauling of his staff before he left -  
I have prepared some great alterations  
which I am trying to work through  
of Board & Treasury. Poor Smith has  
let matters slide terribly for some  
time past.

Bentham is very poor, & hardly comes  
& has a cold, weak, short of breath  
& very low about himself. We do what

he would come & pay us a visit... We are about to draw up the bill of the rents in New Jersey we found him complete y stricken in one side. I shall let you have it before I close this.

This Brit. Specimen going to Canada is a horrid misnomer & will think back at the restatute. At the Southampton meeting the web writers mentioned story & then out. The purpose <sup>the more</sup> to go to Canada c. 1883 - after they left a <sup>new</sup> clique? stayed behind & prospered & carried 1884!

This is not the worst, of the annual sum between H. P. & Water & his President, which I & others regard as a grievous offence - this said in this rough if the majority of Lorne retains the power furnished.

27. I have delayed sending this helping C. water with it the sum of the great sum of the titles until the day is known when the parties

that both the Spring pieces & the greater need to be chosen before the share for titles can be allotted & even have been struck a wrong stroke both between the styles & patterns species that they are now divided when. My architect goes most minutely into every detail of the house, from ground to Attics & nothing seems too minute for consideration - I never see such work put into a building, it ought to outlast the pyramids.

Newham holds very poor. & so & the time & London whence I can - I went last night before R. S. Soiree & think he fell too weak to come - In Shreve we a letter he had just written to Mueller, a calm vigorous protest against his "Cousins" - which forces all Australian grouping into utter confusion. He has given me the letter to show to Oliver & Kennedy before posting it. I will take a copy, & with his permission send it to you. He told me in his talk his last directions the other day at

Wednesday May 30<sup>th</sup> 83.

Prof Asa Gray

To Sir J. S. Hooke for Debances of  
packing cases. carriage, carriage & of Herbarium  
Specimens from the road Herbarium, the sum of  
One Pound eighteen Shillings & 11<sup>d</sup>.

Received the above

£1. 18. 11.

J. S. Hooke



for some months, which keeps me  
very busy at work. - ~~Dear Sir & my~~  
daughter have returned after a  
moderately bad stormy month i N. Italy.  
She much the better - far not so much  
so. Her absence of Smith is troubling  
me to mitigate many important before  
the staff which cost us an awful  
amount of correspondence with H. Roseau  
& the Treasury. & no little movement  
amongst the employees - it is an awful  
position. & what to do will Smith when  
he returns will be a difficulty, for I am  
sure that no wife never he up to the  
work again.

The Revd Gray. Sir has been troubling  
me with it - all week. certainly two  
speakers, one at a large dinner, which my  
son attended. Both enough, & very  
imposed on the Town dinner. That the  
Council of H. Society of Anti- had decided  
on the Black Label needed & what  
was done at this - the way of new

June 1/83.

Dear Gray

I have several letters to  
yours to answer. (May 1, 9, 14).  
First of all let me record my much  
gratious thanks of your most kind  
& self sacrificing exertions in regard to  
sale of Gen. Plant. This I assure you has  
been an immense comfort to Berthon,  
who, though not mercenary, has an  
eye to pecuniation that I never had  
in the same way at all. I often  
wonder whether he will ever see his  
money back:- In his name let me  
advise 1/ for the printer & 1/ for  
the 2<sup>o</sup> or 3<sup>o</sup> part.

I am glad to hear of Vass's  
transference, & of his share in the  
poor Hebrews.

Berthon has paid over the  
£5. 8. 11. I enclose a bill as you

respect.

I find us to be members of "Baptist,"  
which is the name of the church  
here, & you do not say i have  
that you are members in a limited  
sense.

Bentham is I do fear failing fast -  
Ayoub made a last effort to get  
him here with his servant, last week,  
for a few days at any rate - but he  
would not listen to it. He is very  
emaciated, neither eats nor sleeps  
well, & complains of weakness &

shortness of breath. The warden comes to heel, & does just nothing but sit. In his chair when he comes, I am very unhealthily absent him.

As to my home & grounds, I do not

let them bother my head. They do work  
a great deal; but upon a careful  
scrutiny not more than they ought  
& I shall have in a year or two -  
have cleared off the debt. After all it  
will be ~~such~~<sup>the</sup> a plain, but most valuable building  
yes suppose, / here better <sup>now</sup> ~~now~~ left out  
left out however significant? <sup>it is my debt clear</sup>

Mr Farmer & we have had out  
here, my wife called us from as they  
arrived, she is as bright as ever.

The also called as Miss Higgins  
- daughter of a work honored sire -  
- & we have where her been.

Antennaeas at top, I have  
placed your probation & place - we  
both of us thought it superfluous  
to send the sorts you yourself had  
named. & wh- were well known.

Smith is still away & will be

industries. - On count take of our  
fair or over stressed as a Market. without  
honor & her own country. though whether  
I am supposed a impartial remarks  
to be seen, probably a crop, as such  
people are & were.

As per his title man of the Greek  
Academy the National Academy has  
done our - which absorbs both the  
Medals &c great deal else. -

I am just ~~preparing~~ <sup>drawing</sup> Review a few  
your needs. for Mr. May

Maudlin is home, & maturing the  
scheme for the education of the French  
officer of Indian men in England, the  
Nataly of Reg. physiology to be taught  
at Kars - which may lead to our  
getting the old Palace, & its outbuildings -  
but nothing is material as yet.

Very affly J. B.

D. Hooker

June 8/83.

Dear Grey

We have had Mr James  
Lowe - Mrs J. has bought an  
old Photo of the timbered, framed  
of the Museum, & wants us to  
buy his paper - not worth  
our while.

The Picturing turned up at  
the R. I. Ladies' Store, we shall  
have them out.

Miss Bigelow was here to day

Frank Rose & Ruth - he got  
diseasies with them a few  
years ago, & gave them all to  
Hew, when Baker inhaled  
magg & distributed the rest, I  
know not where.

Pettimoodie is very ill, with  
typhoid it is believed, caught  
at Roma - today he is a triple  
wetter, but his steth is critical.

Kenman is very low with an  
attack of bronchitis, & very

feeble. Called yesterday, & Dyer  
did to day, & found him a triple  
wetter. I cannot tell you how I  
feel for the poor fellows, all  
alone, & unable to leave the  
house.

See affy u

"  
J. B. Cooke

Chenah yard & left it there.

Henrytham fluctuates - was in with  
the other day that he resolved to go to  
Northbrook - but comes out to New  
West End / first time of weeks / & will  
little thomatis in - he is terribly altered.  
dry feebler.

Prof. Standish was agreed to write  
a review of the Plan <sup>in Nature</sup> & sent to  
Shelby a one that it cannot be printed!  
it would give such pain to Henrytham.

By way of getting a fair view of the  
work it was sent to Hale for his opinion  
& I thank you my care to see his  
answer. It was frankly my fault that  
Prof. was applied to - of the reference  
& Hale / does nothing. I was shown  
the review & could not help regarding  
it as injurious to the work & to Berthou's  
position as a Botanist.

Gordon is now applied to, but I  
greatly doubt a much better result  
Gordon has just called.

I will write again when it takes office.

P.S. I have just got a copy, & enough to  
little to Berthou, suffering from his  
inflammation - his association is great.)

June 29/83.

Dear Prof. I keep the road in the Bott.  
May. - I really am disturbed about that  
work, - coming monthly & the drawings  
& plants by nibbles, now a drawing like  
a lithograph, then a pattern, that get  
dislocated over it, & lose head altogether.

For those books I chose times &  
lessons when I can get undisturbed  
hours; - but Bott. May. must get  
minutes as it can't sit at any hour of  
day or night. Now too that Smith  
is away on 6 months sick leave &  
all the horrid detail work of his  
Mammal Deer & sheep, I get after work.  
etc.

You have procured for me a very  
kind letter from Lambton with much  
excellent advice about mining &

J. H. Warner.

prophets for a young man i America  
wishing wh  
"are the circumstances  
"find it preferable to the of some one to  
"you on the premises". I am writing  
to tell him that the ultimate I look  
forward to is Wilson's getting into a  
respectable firm to gain experience,  
at no salary, provided there was a  
fair chance of a handsome one when he  
became useful; adding that Wilson  
will be ready, i prefer not to drag  
the attorney "with his pack on his back".  
He will want to take out a lot of  
books - please tell me are old & used  
ones liable to duty.

Spofford's death a grievous; - he  
caught <sup>spotted</sup> fever at Rose, never rallied  
& died up his mind of the said from  
the perch - he had been to the castle  
at both ends & the middle so, with  
humor, wit, & perfect society &  
no end of things which he would have

better let alone. Great efforts are being made  
to get him buried i the abbey, most  
significances of course, & I refuse to  
sign the memorial. I have seen the  
memorial, who was startled at the  
request, & agrees with me, that there is  
no care, but with consider a memorial  
if duly signed by. Friends &亲朋 &  
dearly loved relatives & such & such  
know he would refuse to be by  
Darwin, Leslie & Doughty. As this, &c.  
his social qualities, wealth, & good (but  
great) works, will command any  
number of signatures from this  
generation - but how many would the  
next give! Then too, men who  
refuse their approbation feel themselves  
bound to sign a memorial in favor  
of such & such & Montague,  
men who have no business to do  
themselves forward in such a matter  
as representation of such men. For my  
part I have always disliked the idea  
of Abby buried & would have far  
rather followed Darwin's body to Down

July 24 /83.

I see Grey I have just read your  
heavy story in the ~~Advertiser~~ in the Gazette.  
I shall take it to Jonathan tomorrow.  
He may be said now to be little short of  
~~deserted~~ <sup>deserted</sup> & has not seen him for  
6 days, for really he seemed to have  
to all anyone that's written strayed away:  
I found him c bed & far more cheerful,  
- much anxious to be told to give  
precise directions about his funeral,  
which some here will soon be  
wanted if he will not be of good cheer  
~~will~~ feed himself. That clearing  
wretched A. Dr. had written to him  
telling him that he had written over  
his article to improve it - (which I  
he won't be allowed to do), so I could  
not help telling him that I knew  
all about it. I added that it was  
clear to me that A. Dr. had never  
looked inside the work & was absolutely

ignorant of its' contents & wished of its  
very outlines. All he writes me a letter  
on the subject has so trifled that I  
don't know how to answer it. He  
thinks that the nature of the work does  
not admit its being received & nor appreciated  
I suppose, for he does not allow it one single minute.  
Whether has you part card about

Cooperates in Miles that the reason was  
<sup>by Negroes</sup> preferred earlier than <sup>the Republication</sup> friends, & that  
that was his reason for attacking it so  
hard; but he says he came to into  
the matter.

Why do Americans say that "so & so  
intern arrived with so & so" (B. G. 257.)  
(one 2) elsewhere) - & not that "so & so  
arrived so & so".

26<sup>th</sup>. I found B. much more cheerful, &  
finding his time very heavy on his hands.  
We go to Somerville each week, into  
a small house with a like side of  
the hills for ours, it is but 2 or 3  
months for a Siesta & Prof. Melville -

Chambers to us who heavy we were on  
the look out wrote a most precious  
letter, etc., saying that they should not  
want their room for 3 months, did not  
want to let it, & hoped we would  
accept it. On enquiry I found we had  
many friends in America, who advised us  
to accept so good an offer - They have  
furniture, linens, plate (Electro) & 2  
servants!. Siester is member for one of  
the Yorks here Ringers - was very wealthy,  
now though a lot of money, & is reduced  
to £10,000 a year! - His said to be heir  
of the Duleys <sup>his wife</sup> Cleveland through his  
Mother. She is a particularly nice person.  
& the whole family are said to be temperate  
& the whole family are said to be temperate  
& good. of all our friends. I must confess I  
a steeling in accepting such an offer: but  
it seems folly to refuse.

No new news

In health

J. W. Walker

May. & James is showing flowers &  
with his drawing.

Father of Berlin is here, a green man, he appears  
to be in Trinity with the Museum people at  
Berlin. & went to form a Hubbardian out  
of the Garden here! He can speak no  
English, & very bad French, - he is at work  
on Hildebrandt's African Plants. -

\* We have had a wretched Spring and  
Summer with no warm weather till  
now when it is close & hot. The crops  
are good, Apples prodigiously abundant.

I am indeed obliged to you  
for letters in regard to Green. He is here &  
looking out himself for employment. - How oh  
I hear America is the best field & with his  
industry & steadiness he should be a useful  
man in a new country. I am in correspondence  
with Alspach, <sup>wrote</sup> Lamoureux ~~wrote~~ saying  
that if he knew what his qualifications were  
he might find him a place in this world.

Mrs. I should like very much, as I thought  
very highly of L. - I am extremely grateful to  
you kind offer of securing him in Berlin.  
This going would be an additional inducement  
for me to go away next year. I had the offer of

Professor <sup>W. H. H.</sup> at the University of the City which was just left for Canada, but  
I hope <sup>W. H. H.</sup> will be off in October.

My dear Gray

The tiles are in place & pray tell  
Mr. Gray that our own is charmed with  
them. How I wish you could both see  
the house now that it is every finished.  
- The ground work goes on rapidly &  
I have many an acre of potato which  
will be sold & meet by expenses.

Kentham is materially better, but  
very weak, he cannot (he says) walk  
across the room without a stick &  
weak, but is full of spirit & gets dressing  
every day. He is very weary of inaction &  
cannot read much.

I have little news in the garden  
or Hubbardian, Deer goes about with  
improvements - the houses & museums  
& go up & down from this place,  
do a good bit of correspondence & garden

Mount Otter  
Windlesham.  
Aug 24 83.

lower elevation. I am busy at a new  
Yards Guide, & a new  
edition of it which is a very job. Park has given  
me many valuable notes. His object  
is the cutting up of species into subspecies,  
& I am not satisfied with it myself; the  
making the type var. of the subspecies is  
the ugly part of it. I have thought of two  
ways of getting out of it; premising that  
the decision should cover all the  
subspecies as well as the species proper,  
I might make the description ~~that~~<sup>only</sup>  
follow the species with the type &  
append as now the subspecies. -  
or I might do as I am <sup>do only</sup> "distrubuting"  
"subspecies ex parte". The words "Type of  
Species" - You may say why not abolish  
the word subspecies & we will see  
varieties, but I think that notwithstanding  
the most amount of form that oscillates  
between varieties & subspecies, there are  
many cases in which the latter are very

the former party related to the position - Nyman adopts  
I have been compelled, reluctantly with the  
last Ed<sup>n</sup> of Nyman & am surprised to find  
how untenable <sup>(also diff. in tota)</sup> his is with Baker  
& Walpurga, <sup>in the</sup> ~~in the~~ <sup>both</sup> Melastom of Rose, Parham  
Hieracium &c. Nyman's views may  
seem to you wrong, both Mitchell &  
Gemmee & Brach. are the large genera.

I find I must keep all 5 or 6 species  
of Batrachium, the consensus of opinion  
is too strong against lumping them  
any longer; & except Hieracium, the various  
European authors agree fairly well  
as to their limits.

I am also thinking of introducing  
brief allusions to Proterogyn & Posteroend  
& noting the various <sup>plants</sup> hieracium genera. I am  
looking at a good many myself, & find  
nothing rather a happy affair.

I had a flying visit from Senator  
Pierce the other day.

Your & your coaducter's notes on the  
book are very interesting. I have just  
had Solanum Maculatum drawn for Bob;

are not settled as to what the ex. to subspecies.  
that there are in many cases 3 distinct grades  
of forms in the genus is I think certain.  
& it is rather a question of word than of things.  
you do not like the term subspecies, & I  
may drop it, keeping the name subs. for  
them & it wills for lower variations. I shall  
post the Neobamia descriptions before I  
make up my mind.

I have just printed sketches for the  
Mus. Ind. putting Laticauda in Leptodeiridae.

I think of Bobanhaeae with great  
reluctance - I think it should be  
divided between Scaphi. & Crotalidae.

I am compelled to write Cambellae &  
Christiesoni, & wish Neeltha had done  
nothing at all <sup>nothing at all good or bad</sup> ~~good or bad~~  
so, I wish too that he had omitted  
half a dozen of the Vandellioid genera of  
Snakes. I think too that he has made  
too many tribes in Snakes.

I am now revising Clarke's Acanthophis  
for prep., rather a laborious job, & not  
at all enticing.

Smith returned to duty last week, pretty  
well for him - but he will never again be  
what he was. Still is so to, not over strong.

The Camp.  
Oct 13/43

My dear Gray

I have been so terribly busy  
for some time past, & I should  
have written before if only to have  
thanked you for your last.

I am writing you now to show you  
my son letter which I have gratified  
him, but from whom he seems to me  
to be very miserable. I take my walk  
without fail, & sit  $\frac{1}{2}$  - 1 hour or  
more. He goes into the air dry, &  
generally gets a ride in Battersea Park  
- he says very little to me, never asks  
<sup>or a</sup> ~~or~~ <sup>as you</sup> ~~but~~ <sup>but</sup> ~~wishes~~ me when  
I go away, "for my birth". He can walk  
across the room, but hardly do more.  
He has so few friends, (the Galtens  
are almost the only ones who he sees)  
& so few interests, that the time  
must hang by heavy on his hands.  
We have been living at Sunnyside

date we return, I going to town for  
3 or 4 days & after  
yesterday <sup>for the first time</sup> went to see Herk.  
Wenckebach, & today went to see Dr. W. H.  
& heard a sermon on the 6 winged Seraphim  
treated physically as well as spiritually! -  
We like our house very much, but  
have been lately bothered by running water  
in the well. Your tiles are unusually  
admirable, pray take care of your gray. I often wonder  
of what you will like the others. & I never  
saw the great Sutah Noire at Bogholt  
without wishing that you had seen it -  
By the way at Wuttein's nursery the other  
day I saw such a series of species from  
Dipodomys & Musciurus to Mesocitellus &  
staggered me. - also plenty of Cercocetes  
apparently different from Laciscus,  
but very variable & very near it.

I see from your letter to Brewster that  
you are going to take up "A.D." last edition  
of the Lori. I wonder how you will treat  
the broad exception of Prostotarsus from  
the genus Plantarius. - Brewster & Dr. M.  
where Brewster has merged a genus without

specifically mentioning the species. It appears  
to me that this course is unadvisable for  
the species. That Brewster is certainly to  
have known or known of Leptostomus  
well. & I do not see that other author  
could be cited to be quoted. Also, I  
am told, would assist the citation of  
Brewster. & Dr. M. & cases where the species  
is verbally mentioned - if he should they  
apply to Leptostomus or Leptostomus?

With regard to the new edition of  
Adams & Townshend - the last part of  
the genus it should be borne in mind  
that Brewster did not intend it to  
be understood that Linnaeus was in any  
case the author of the genus, but that  
the genus was of "Linnae. Gen. Plant." - He  
agreed this far with my estimate from  
having to quote a lot of authors who  
had given single names to genera.

I am very busy still with the new guide  
to the genera, & will be arranging &  
completing of the abbreviations. Also will  
be needed flora which I am collecting with  
Norman & Herman Mueller. It is much  
slower job than revision of the tabular notes  
I am however obliged to you again, but

one of the Palms for this year i.e. 1882  
while poor Deen is always going to send  
to prep! It cost me a horrid deal  
of fog. They were so hurriedly named &  
the Xerophytus was so bad. We have  
now the finest collection: except  
though Wardlaw is the largest etc.

See affy Jr

B. Hooker

He has done an immense deal towards the  
organization of the Garden staff & its' duties  
during the last. Bentworth,  
with admirable

effect. & has  
taken very much to the book of the  
Garden & houses. Smith's absence has  
thrown this upon us, & we have thus  
made no serious improvement while the  
curator and othermen have carried out.  
I should say however that we are  
blessed with some excellent foreman  
& subalterns which for many years  
were very badly filled. This we owe  
to the higher pay.

My great trial is still the feeling  
between Oliver & Deen, which the former  
shows too often. Oliver's views get narrower  
every year. & though he supposedly esteems  
respect both his place & his collections  
& Deen & myself, he cannot bear to "rise  
steep" with us. We have had his son  
Frank staying a few days here with us, a  
perfectly charming young fellow, now  
gone up to Cambridge. He tells me that his  
father will take his pension the moment  
that he can claim it. I can tell you this  
will not be till he is 60, nearly 7 years hence.

or I hope we shall get a good thing  
back out of him.

At the Herbarium we  
a grand surprise:

of Kierle's book collections of the Gambier  
expedition of 1859! - I received a letter  
in the Report of the Portsmouth道奇斯  
acting on "L. venusta" & care that I had  
despatched there in 1871 - I at once wrote  
marvelously well. My wife, & ordering them  
to be sent up to New - with the care  
all <sup>originally</sup> ~~already~~ directed to my father in letters  
as long as you have & as legible in 1861  
& sent home by a man of war to. They had been  
expedited for over & over again i vain.

Marvellous to say they (being packed i two)  
are in admirable condition. Amongst them  
are the fine collections he made in

the And. soos to high. near Lake Nyassa.

Wright of Aberdeen has volunteered  
to do the Kierle's herbaria & he  
can get leave to put a substitute in his  
chair. He collected admirably in the  
Americas.

Balfour is reported to be married in  
January. to Glasgow young lady, a connection

of Throssel. He is going to Sandra  
Flora.

What are you going to do about the British  
Speciation and you? I have not given  
up all hopes of going to America next  
year, but I wish the R. A. at February.

It is long since I have heard of Sargent,  
but he yet begins to surpass the Arnold  
Arboretum? - I wish he would come over  
to the Herbarium. I have much good  
advances since you were here & shall  
have got before I have done with it.

I should much like to make a book  
on it - an "Arboretum & Fruticetum Novae"  
- though I am in utter despair over  
certain genera, as Fraxinus & Tilia.

I am very sorry to hear from Mr.  
Gmelin that he returned without  
visiting England - I am sure he would  
have learned much from seeing the  
Census of the Verities & other  
places. I have a great mind to  
prepare a catalogue of the New Species  
for each year Robert - I have done

I wrote the first set of manuscripts, but I forgot at what price.

February 28/83.

We are both highly tempted by your  
proposed trip; but I do not see  
how I could get away for so long.  
I should like to Mexican Arizona  
& California however, but to stay  
on for Montreal & Philadelphia  
would be impossible for either of us.

We are very busy with the instruments  
for these runs.

I am writing in the study of "No  
Camp" with Mr Gray & even pretty  
titles at my back, we are partly  
furnished. I wonder if you will  
ever see us here? I shall enjoy  
another cruise L - stay with you both,

Ever afflyr

*D. Horan*

My dear Gray

I dare say that you are  
kindly wondering what has become  
of Brian & - two things have  
turned up that have modified  
my plans concerning him. One  
the prospect of a post as Appraiser  
in the Melbourne Mint, beginning  
at £100. with a fair prospect of  
£1000 in the long run. The other  
that of Appraiser to some mines in  
<sup>Montana</sup> belonging to a company  
of which Mostalynne is chairman.

In either case terminals are  
wanted of his being a quick &  
honest appraiser; & his owing  
students anticipate, though a very  
good one, is of course of students  
work only. So, acting under

the best advice I could get Brian  
volunteered to take some  
weeks work at the  
School of Mines Lebanty is  
specifying gold & silver, & is now  
then much the immediate  
superior of Prof' Roberts & his  
head man. These both speak  
competently, & being <sup>after a few weeks</sup> able to  
remained him to either part;  
& the former has kindly offered  
his work at the Mint, much  
his own expense (Roberts is opposed to  
the Mint). So, he will do his  
usual turns off; Brian is  
in work on the Xmas, & may  
help him won't be tempted to take  
some inferior appointment, for at  
L.G. he is naturally anxious to be  
up & doing.

I have no news. I see Bentham  
weekly & about an hour - the

poor fellow seems very miserable  
having no occupation or sympathies.  
He complains of failing strength, but  
I do not see it - He gets a daily  
drive, & croaks upstairs in the  
Afternoon. I cannot get him  
interested in any thing, though his  
mind is as clear as ever.

Holborn is about to be married  
to Scottie Lang, a connection of  
the Macmillan (T.T.). - We go next  
week to the marriage of the only  
son of my cousin Miss Holborn  
at Yarmouth; to a Clergyman  
& Mr Barker, with "expectations"  
& as she has some £10,000 of her  
own they will do!

Barker is selecting from the  
remains of Goss's Baker: when  
there will be another division of  
expectations - with you or or with  
them as before? I think you

Moved early & came to a loss with  
some money.

Get £1. per 100 lbs do my work  
for grass plants.

We are in treaty with a man for  
Kilimangiaro who has been in Africa  
& done some work -

A nice mess we are in with Ryah  
& the Indians.

Hardly come in as P.R.I. with a  
plurality of trumpets & a capital  
redress - The dinner was a splendid  
exhibition of the "Mutual admiration  
Society's" lips & works. Lovell made  
the speech of the evening. He mugged up a  
story of the P.R.I. & G.III. - relating to the  
dispute between Franklin's ~~sons~~ & Leitch  
concerning & one knot of the day - which the  
P.R. settled in favor of Franklin - upon which  
G.III remonstrated with the President for taking the  
side of the Rebel America against his countrymen  
& wished him to reconsider the matter: upon  
which the P. told His Majesty that he regretted that  
he could not reverse the laws of nature; without the

I hope you will be kind to me & my son & wife

Yours affecly H. M. Muller

Dec 4/73.

My dear Gray

I have yours of 10<sup>th</sup> Nov., but  
have been so busy since that I  
have not had time to answer  
it. In the afternoons I have been putting  
in the finishing of the Arboretum  
Collection, which becomes more &  
more difficult. & I feel sometimes  
in despair. Take your American  
Prayini for example. I do not know  
what becomes of but on many of them  
we cut them <sup>with either fruit or flower.</sup> You helped us with  
some, - I am glad to see your  
notes on Wenzig.

Benham appears to me to be in  
"Hatteras", though he would insist  
on my Aunt Jessie's translation of  
that "always worse & worse" but /

do not see it - he dreads the coming winter - it has not come yet! & now the sun is shining lovely though it is cold at night.

The publishers are keeping me here for British Flora, which has cost me as much of trouble & time taken about heat & months more. I wonder if my American Flora will get into the same state of unstable equilibrium. It is diverting to see how utterly ab. Cope, Hubbard, Nyman & Robbins are in Rubus !

As to subspecies I thought I would ask opinions of those that are the books. Gray & Hallock as Neopanax, Dyer & Hooker as outsiders. None of them like man of going at the term & would

regard its suppression as a retrograde step in evolution. After all, if we can't have *Prunus* & *Salicaria*, *Canna* & *Lelignore* - why not subspecies?

Harriet is very much worse & we are anxious about her - she is prostrated with fainting fits, rheumatism (what this may mean), & functional (?) neuralgia heart disturbance. She is reduced a remarkable portion & matters go on.

Suddenly Mr Symonds came to by R. Camp & came there last week, with Mrs Symonds. He is very ill with cardiac asthma & can not live without terrible spasms. which nothing seems to relieve effectively - he hence spends the whole night in sheer agonies. His feet are much swollen & he is greatly reduced. Mr Symonds is worn to a shadow missing him & looks very ill too. Hyacinth is delighted to get them so near us, & has sent Perry to help to some.

Hallock will go to London, he is to be

to such a practice  
Dr. Moor - They demanded Major. Monk-  
ton's body for use in the Society of Friends for  
I have adopted their practice of <sup>the</sup> ~~body~~ <sup>the</sup> ~~grave~~  
Burial, conscientiously hoping i' previous  
every plant i' Hebd. News with a view to  
its ultimate portion, & to deny him the  
<sup>and a whole day</sup> ~~the~~ species is in my <sup>say</sup> that his  
grave & not buried in sufficient  
Examination & Study.

Will again take a colonial compiler - giving a  
list of the Species i' Australia - in the  
first he names a *Hedysarum* after the  
species circumstances as above?

I know the circumstances are many,  
& horrid, & consider it have been done  
it would have been far best to have  
printed the list of species Examined &  
referred to implementation - But my desire  
of you to wind up with the word "The  
Colonist who recommends Greece should  
take - Let me ask you nowd you  
have had the G'hd Plant forwarded  
since die to have it done? I  
think this shall might have been  
more considerably wounded. - Such  
like all other botanical specimens  
you nod at times, & at times with the

Jay 4/7/84

My dear Gray I have been long silent,  
which you ought to be thankful for!  
for really I have nothing worth  
writing about - You are much  
interested about Breckin - He is in  
St. Louis - as far as I can see - too  
weak to stand up upright, but  
without any apparent sufferer. It is very  
bad to be lame, for he requires all  
comfort, & won't see any one health  
myself, if he can possibly help it. &  
he really does not. with L. he can.  
He actually desired that I might,  
visit the very wife. His servants  
are considerate about him - The  
size or rather lies beneath the fire  
& the doorway soon ate dry long-  
I is deeper morning & unbroken at  
night. G' D'lightfull? - Last Monday he

littled to you a little. I tried to get  
you in New England, but no wonder  
not take it so - as he said  
was "it is not : *Postage*" which  
I could get we are interested in it, but  
I can't - & I think Prof. Deacon's  
action has done more harm than  
good. In the first place his position  
as a Postman does not entitle him  
to contradict himself as ~~he says~~<sup>in my opinion</sup>  
he sets the *Postmaster* example of  
straying after the letter & giving the  
spirit of the laws <sup>& then over</sup> much before them.  
Good politicians are dying out, &  
petty foggers in the laws multiply.  
Dr. Jackson & Dr. Miller are the best  
self, uninterested politicians: It is  
country. & the *Geo. Lincolns* have  
done & worship.

These years paper before me & 10  
clearly written paper from Hall! &  
you has taken up his parable.  
I really cannot change my habits  
& practices: Writ. Prof. & Dr. Hall - but

Without better words than I have  
seen shown. The <sup>my</sup> burning question  
open now is, the <sup>authorities</sup> ~~question~~ for the species  
of *Genus* named by the author of the  
"Green Phoebe" - This both you &  
Dr. Knobell think - for Dr. Knobell  
wrote to Webb for this species & could  
not get it! & you shew it - i. g. you  
know. You say "there are taking  
separate in the *poem*" - but as such  
say that, while you by unapplied  
providence against the <sup>mention</sup> in a critical  
review - is that fair? - My  
contention is, that of Greenbank did not  
put *Creative* species into *Series*  
was fair? His self that because  
say others enough find that  
Greenbank was right - in (the great stroke  
of labor) digging a *Goraeus* out of a  
wrong hat order & putting it in  
~~the~~ <sup>the</sup> ~~young bird~~ <sup>when</sup> its right state, <sup>before</sup> his lefted <sup>is</sup> <sup>him</sup> <sup>which</sup> before B. did  
sayig he did this, <sup>for</sup> that is <sup>right</sup> <sup>right</sup>  
Well it comes to. <sup>for</sup> <sup>right</sup> <sup>right</sup> <sup>right</sup>  
we my printed all the *Carolina* names:

Yours in all respects - Alcock,  
where a perfect Company of good standing  
has brought up the river which he goes  
out to repeat & after in a 3 months  
expedition at £15 a month & travelling  
expenses. He left in a week ago  
in high spirits -

We have got £500 for the Mahratta  
reputation from the R.A. & £400 from  
Mr. A. S. Godwin Frank, & a very good  
man in every way had been one  
of Largo with a party of Zanzibarites  
& knows their ways - a Mr. Johnstone  
clever, a good writer & sketcher also.  
With stated attention I am sorry to  
say, but improves & much needs  
to learn.

A big box sent to me through the  
Sunderland

Yours affly etc  
W. H. Hooker

high here. Just the value to me &  
in citation of an author's name, is  
the weight it carries with it.  
I regard it as of far greater  
importance to know that such a man  
as Herpestes, enjoyed in such a work  
as Gen. Plant - preferred Cælia &  
Succis, than I should any subsequent  
compiler, undeller, catalogues-writer,  
or other who may adopt his  
conclusion & call it his own reference.

After all there are such things as  
deceptive careers, - to be dealt with  
not according to the letter, but the <sup>spirit</sup> ~~letter~~ <sup>spirit</sup> of the laws - & I think "you  
cannot'st open & shut green doors"  
Cophiar &c. - All never uttered  
a word till being told "Never make  
a man an <sup>law</sup> ~~law~~ which he does not  
"say" - ~~say~~ <sup>say</sup> him a word & say  
"though he be a ~~law~~ <sup>law</sup>" - I take  
down a vol. of Gen. Plant & let it  
get open - it is £1. 15/- & I say  
that B. puts all the species of  
Heterocayon into Lichenites you  
say he puts the species only out the  
species <sup>in</sup> - can't follow you.

My unprepossessing & / That the number of cases - It is plain & whilst the disease has attacked & far too briefly to be named, as so many that you cannot decide & choose between them & the more loosely worded. 2) What is undoubtedly cancer a large percentage of which have been reported by others formerly & the reconstructed Geneva, & Not the additional frequency with which it meets a the antithesis.

3) Should not the cancerologist represent the latest researches of Pathologists. - 4) Separate or on side, other & healthy people who will refer to but their names to species referred by Pathologists to their proper species & in application or by separate mention.

I am still very busy with the British Press, I quite agree with you that you have an easier <sup>yet</sup> task for Subscribers in America than in England, but you I suppose will have to assist them when they turn up - in numbers enough to

attract themselves or attention. I shall not get through it for a month yet - I read before the Society of St. Louis medical but had to knock it off for this & for a host of other matters. The new New Garden Park which bleua has done most for, & the Abbercrombie French Club I must do myself. We have been very ill to start, but a good deal at W. Park, which is a capital place for work. My wife has no doubt total recovery about all the arrangements. Her - symptoms have been better & worse but is very bad now. Harriet remains at the same low level of vitality - & is helped by much in her bath. Fortunately she keeps up her spirits. The Doctor's words always that there is no. They of the Masters care for it - but I feel sure there is, & strong intime to the physician that a badly nourished heart is at the bottom of it: in both cases or some such affection of the circulatory system.

worn & allowed to be over for a few minutes  
of - she keeps up her spirits remarkably well.  
A nurse is set for her too. Her mouth is pretty  
well but complain of weakness.

Balfour is married & has been appointed to  
the Oxford Chair £700 & house in all. Mr. B has  
money, & I suppose his father has left him  
money. His father died unexecuted at last  
year.

Many thanks for your last letters & my  
wife. As L<sup>th</sup> names & Gen Pl. I shall be  
content with what a Uncle committee, say  
Bale, Oliver & Son decide is the worth of  
Standish without pledging myself to any rules.  
I hold names to be means, not ends. Even if  
that. If ugly cases are turning up, I find that  
Lycoris alba is prior to L. replevifolia, which is  
very common & to be preferred as opposed to L. diversa.  
I cannot bring myself to accept the colorless name  
alba - I suppose I may take Chloraea beside L.  
thus Chloraea chlorae Forsl. - Arenaria Chlorae, Bent.  
See for Pl. i. 150. - Dad. Jacks. & Britton say it  
should be Stroblof. because I first so wrote it so.  
to me this would be sheer piracy.

I think there are cases when it would be  
right to give the author of the species name though  
under another generic name than that he put  
it in - provides the specific name is  
entirely synonymous. Thus Dr. did well observe  
that Lauraea cap is older than Microseris lauraea  
& hence (H. Nutt. Inds. III. 495) say L. replevifolia

Feb 19/82.

Dear Gray

Will you compare your  
Vitis rotundifolia Michx with our Vitis americana?  
Your Saxifraga Sibirica is entirely diff't  
from the true Bermudiana - of which we  
have for the first time <sup>Received</sup> specimens from  
Bermuda - so says Hemsley. & after  
examining figures & specimens I think he  
must be right. I have had lately to  
consider the matter of attending the N. A.  
meeting at Montreal - having received a  
formal preying request on the part of the  
Council of the A.P.S. that I should do so  
if I could, as they were really in want of good  
representation P. P. - Of course this is putting  
the offer in high ground & I felt bound as  
former President to accept with the proviso, that I would most  
likely be obliged to withdraw at the last  
moment, for that through I clearly understand  
all other objections to the wishes of the Council,  
except family <sup>affairs</sup> would probably offer  
insuperable objects; & I urged their looking

out for some one else. Of course I like to  
sympathize w<sup>t</sup> Beetham's  
him 6 months, wh.  
term of residence.

To call. If alone ~~then~~ I could i' expect I  
had time now I could have <sup>little</sup> time -  
if they, or either of them, decease within a  
few weeks before the date of meeting I  
could make up, for I should be able to  
affairs to look after. My other objections are  
trous of; the chief is being away at Regg &  
such holiday - Against <sup>said</sup> Mrs. Her wife go if  
I do; but I think she won't find that  
so easy. You urges my going. I am thus kept  
in perplexity which I was poor poor when I  
resolved with Mr. - the silver having to the  
world is the seeing you & Mrs Gray, & I do feel  
this to be a deep pleasure i' store. Of course it is  
is no use speculating on any long after journey,  
that could only be over my poor invalid to be  
relieved within the next few months. Sympathetic  
sufferings increase with his sleepless nights &  
he has not been out of the house since & more,  
lately so he has been almost confined to  
apartments. We were obliged to get a nurse, as  
Mr. Sympathetic was keeping up. The Doctor says  
it may be a sudden end or a lingering one. he  
keeps his spirits wonderfully up when his

fearful fits of sickness are over - & they are daily.  
Sitting there in case between nothing, as he does  
not like occupying himself.

Beetham condition is deplorable; he was to live  
a fortnight ago that was warned by the doctors  
order, & Dr. Harford sent for, but he rallied  
after the letter came; of course he died early  
want to see him! - nor poor fellow does he  
want to see any one else. He sits all day long  
(when out of bed) in the Drawing room by the  
fire with a small table i' front, when thinks  
~~there~~ is a little green pillow; he carries his  
head i' his hand & this is this pillow. I  
see him once twice a week, but when I go  
he won't receive his head or <sup>both hands &</sup> put on his  
hand to shelter mine. He says nothing; hardly  
utter for any one & I go as I come after  
thrusting my hand into his. A more  
melancholy spectacle you never beheld. He  
won't see my wife or any one but Mr. F. Galton  
Bliss & myself. He was better when last I  
saw him & able to crop the room with his  
sticks only. And bed is in the drawing room  
He reads a very little indeed, but wants to  
read to. - By the way he told me last time  
I was there that he had consented to see Mrs  
Gather, but I doubt if he will. Indeed he does not  
always see her.

Harriet is no worse, but almost confined & her

Sc. Progr. VII. 181 (Microlychnus).<sup>x</sup> - I am doing  
this with species of Lepotis described under  
Gymnandrea, which  
had not been seen  
Lepotis. - By the  
way some species of  
Lepotis have 2 distinct cibals.

By the way Baker's genus Caryophyllea, is a very  
good one, Reutte, J.P. III. 772 inadvertently referred  
it to Leptotis, misled by Baker's mistake in  
classifying the stevina as peltata, whereas it is  
3. parted as well figured by Baker, & totally  
different from the large peltata stevina of Leptotis.

There will be a specimen for the Glasgow  
Chair, we expect Ward, now of several other  
Manufacturers who did the copper disease  
McNab is trying out. They try the College would  
have him at any price. Murray of the  
Brit. Mus. is Huxley's candidate because he  
is working out the Salvinian disease for him,  
& Huxley has Home Office influence. I  
doubt if any of them would make a  
really good Professor.

I have had a little <sup>soon</sup> lumber & cold  
feet & been writing, but am better.

Another to the boy I have found <sup>an</sup>  
2 novels charming, & most interesting.

In reply of

B. Webster

first time as much of a complainer - It is  
just 40 years (from 1885) since I went, &  
the report of the Professor to give lectures  
were - which I did reluctantly - & I  
stood for the chair with the strong backing  
of Professors & Professors. - so if they  
wanted to do it now they might have  
done it earlier & during Balfour's life.  
& not waited to put me in a position of  
ya! if this is the number to be submitted  
A.L.S. at the terminating. However I should  
have done but for the greater attractions of  
the children.

I am still very busy with the new Her  
Garden Guide, <sup>3<sup>rd</sup> Edt of British Flora &  
Bot. Mag, which is in subject drag, but progressing.  
I have not looked at Bot. Rec. for  
months. Committee journals: London  
& Cambridge canabaceae still set up  
& deal of my time.</sup>

With love to your wife

Very affly yours

J. H. Hooker.

March 19, '14

My dear pray

Thank you much for the  
two most interesting letter plants  
you enclose & your book. I send  
herewith Flowers Selected after the  
Sixty Years.

You are altogether too liberal  
in regard to the Goose Plant. but  
I submit to it with thanks.

There is no particular botanical  
news. Balfour has won his  
members the Oxford Chair; the  
candidates of Glasgow are Mr. Ward  
& Green (Collard) who are such  
but to prefer to investigate the  
Upper disease, Mr. Nat, Stanton M.  
Liberator of Glasgow, I. J. Murray  
of the Brit. Mus. don't think  
that any of them can hold a

and the Armenians & their freedom  
& the chain. Only think  
that we shall (I hope) have  
tried to see 6 Presidents in that  
chain! We favor Mr. Ward, as having  
a "bias" on us -

I forgot whether I told you that  
I had a journal <sup>to Montreal</sup> requested from the Council  
of the R. A. C. & the V. P. - This of  
course I wrote with reserve, & have  
accepted conditionally as a family  
affair. i.e. my father is ~~now~~ &  
Bentham's states of health. The  
former has taken to chloral as the  
only means of quieting it alarmingly  
spasms, & it does so effectually, & gives  
him great comfort. - as all others  
produced no real quietness, but  
doubled with. He enjoys "the Canapé"  
alarmingly. We sleep down in a  
Study & scarcely. Bentham is  
indeed stronger, but would own it.  
& is so taciturn & averse to being annoyed  
a interested anyone. He does not care only

for Harriet! he is so absorbed in his own  
feeling of worthiness - he still reads the  
Pepys & German tales. His maids tell me  
that he will select a dress of those  
weather texts for her best & can  
walk up & down & her hair  
been done too.

Harriet has been separated a little better  
from fortnights. Now her walking & general  
well in much difference. The joint of  
her finger has very swelled with gout,  
& she cannot walk at all. It looks as  
if gout, whatever that may be, was a  
the bottom of her illness. You tell  
of taking her to Eastbourne. She has  
thought the weather certainty if it

The tercentenary of the Edinburgh U. is  
but a grand affair, I was invited to  
& be dubbed L.H.D. but as it comes in  
the very middle of Lent, when we hope  
to go & see Pepys & Grace & Paris & take  
them a little trip, I have declined:  
all the time as, if we go to Montreal,  
& should <sup>otherwise</sup> see the children to a  
witsend. How do I take the Edinburgh

We shall go to Paris for a few days at least in the French & Belgian woods in getting up collections & very happy.

Glad to hear you are so lively.

By the way do you know <sup>No</sup> members of the watercolor <sup>the</sup> Society - It is such a bore. Just try to count the species of a Ceramis is Watson's Stringency, & see how you get bothered with species & var.

Nice time-honored custom to number them & a most useful one for those working at compilation of Flora - it helps him appreciate & check it & you gain nothing but growth. In these accustomed to the practice who find it useful.

Very affly

P.S. 29<sup>th</sup>. Cheyanne  
£25 paid received

You are too liberal - but it is most welcome. It would delight me if letting a letter from you - send love to my wife. I am going to have a long summer. I. Darwin expected to stay in the City of Philadelphia, young pretty, - much rejoicing all round. Mrs. D. very kind

March 29/84

My dear Gray

Thank you very much for the notes on Part XI of H. B. I. - I acknowledge very much. I was enough (Clarke was equally as bad) but I was doubly so in overlooking them in the press.

I still remain & day after, clothed & in his right mind! He actually talked, ~~wrote~~ at me once & thanked me for every L. she has!!! He had been twice out for a drive in an hour. This is surprising the first time since his illness began that he has been - well what shall I say - "pleasant" is probably the best word to describe it. Yet odd enough he never asked for Harriet - or any one. She poor thing is perhaps a trifle better - but I can

no red change - The knuckles are  
terribly swollen & purplish, & the  
white swelling of the phalanges are  
insensitive to pressure, <sup>she is not tried to feel.</sup> The Osseous  
is apparently, like the Neurosis,  
& internal pains. She sits down  
on her chair. It is always remarkable  
the like to taken & Earthborn. Then  
the weather & her strength abates of  
it.

Alice repeats to day that she  
has sent off the remains of Jez,  
etc but Gloucester, 1074 A.D.

We have despatched the plaster cast  
to Klemmeyer, so his purpose is to  
send off my hands, <sup>for the moment</sup> I am close to say:

It has been an incubus for 2 years.  
He is young, active, a good writer,  
sketcher well, & is up to collecting more  
in his books but all we could have wished.

I had hoped that King would have  
sent a collector for Col. N. J. to  
give the required. But he could not  
manage it.

I have just finished the new Col.  
of the Green Guide (up) with a  
very account of the Arborescent contexts.  
It has been a weary job. to say  
enough & not too much - i.e. to  
interest & not bore people.

I cannot remember where I saw  
a note to the effect that Viole arenae  
should be compared with H. S. V. intratubularis  
but I took a note of it at the time  
to refer to you, as it inspired me.  
as doubtless V. blanchetii was meant,  
as you suppose.

Yes B. Macfaydeni is awful, but I  
could not invent a better - I wish I  
had known a Wallach's former of  
christening - They were unlabelled. also  
Solenites I think was very good at it.  
Perhaps when I had measured the  
male lobes & the branching points  
have you done what you can!

Hotel Romai  
Rue St. Rich  
Paris April 1873

Dear Prof. I have not much to say, though writing from a home which sets us thinking of you & dear Prof. continually. We have been just here & leave in 3 days. The chateaux, probably being there over, we did not go as we were over yesterday, as the bad but a week. Our time has been wholly occupied with them - light - lung - since we went to the Jardin des Plantes, but I called on no one. I however met Mr. Cornu, the gardener to day, who knew me. I did not recognize him. I have not now a friend in the place, & I have visited others, Jeppe, Mabel, Saisse, Monnaught, Spach, Deville, Weddell, Sandeau, Spaeth, Valenciennes, Raoul, Cl Gay, Richard, Marquin, but the last all I think attached to the Jardin at the time. besides Delpech, J. J., Webb, Montague, Prof. St. Vincent, Gambetta, Noé. & a lot more who in 1845 formed a very pleasant coterie spending the evenings at one another's houses, night after night. All this is long ago.

changed, very much I suppose <sup>owing</sup> to the  
want of any such  
Society as we have.  
Prospect; Joubert  
entertained weekly. Paris too, like London  
has become too vast for much reunion of  
classes.

Except the exhibition of Nat. Hist. collections  
in the Tierra del Fuego by prediction, I have  
seen nothing scientific there new & interesting.  
It is very good indeed, & the collection itself  
must have required tremendous labor. I have  
got written to fine a collector from to  
represent a country. The similarity of the  
sects of chiggers & leeches to our own  
was to me, marvellous: if they had been  
called French I should never have suspected  
their origin. I saw no novelties amongst  
the plants.

We left U.S.A. States on 1st Nov., I saw  
Kinnison the day before I left, he had got  
dissatisfied & was getting up in much  
better spirits. He ~~would~~ must have a house  
cleaning, & is uncertain what to do. - I saw  
he would like to be asked to New & to  
see about it there. He answered that he would  
like it if he could, but I very much doubt  
if he can: he wished me to help him to  
walk a few steps in the room. In holding  
on by the table with one hand, only I had  
not caught him ~~both~~ in my arms he would

have been down on the floor. He is so weak &  
emaciated, a mere skeleton: he will not stand  
an instant. Still of the weather got warm & he  
would take a little sport: we dare he would  
be able to do something towards getting about:  
for complaints smart of short breath.

Fernand is much the same, the Cholera ~~keeps~~  
off the shadows, but the dropsy increases & he  
is again & complain of shortness of breath.  
Harriet is much the same too, miserably weak.  
The fresh joints are much swollen, very tender  
within, but devoid of sensation externally even to  
percussion. The dyspepsia is as bad as ever &  
her pulse is now where. She waits for worse weather  
to take her to California.

Under these circumstances I am on chance of  
my going to America & returning.

Here Paris the weather has been bright,  
except for 2 days, but miserably cold.

One day we went to Chartres, which I had  
never before seen - it is a glorious city.

On the returning St. German.

Hyacinthe sends her best love to you both  
& many thanks for your last letters  
Mme. Raynal is well & sends kind  
regards.

Ever affly yours  
W. H. Brewster.

in "positions" in view - she has lately returned from Madrid, Liverpool & a long tour in Portugal, with which she was delighted.

The Home Society (Massachusetts) have got into a very appropriate Mc Nab to the Glasgow. Even before the vacancy was announced, ~~had~~ other candidates brought forward. & this without consulting the Council - a very competent authority. The Glasgow faculty are furious, & are urging Kalfous holding both to his & Charger, thus check-mating the Govt! Of course the appointment of Mr. Nab is inevitable. The whole thing is a disgusting job - a job to the kick who I believe went to get rid of Mc Nab. We at New Haven Ward (now at Milwaukee) for the Chair, but there is really no good candidate. Mr. Nab has disappointed expectations - he is a worthless creature & worse than a man. & not the only man for a first class Professor.

We paid our first visit to Mrs. Davis last Sunday at Lambeth - she has a nice room & a few acres round it, with a garden & several deer like deer! - Frank was building an hundred yards or so on one side of her mother & Horace as near as the State wills - George, who is as you know going to many important jobs of Philadelphia is devoting

May 24/84

THE CAMP,  
SUNNINGDALE.

Dear Gray, I have yours of 11<sup>th</sup> & heartily congratulate you on the completion of your venture - a great work. I hope you will bring over Webster & Mr. Gray too who press me heartily for their much welcome letter to me.

Matthew is off to Northbrook! - he was most troubled again for a fortnight before, but determined to go, though Elizabeth was against it & thought him quite unfit. Nevertheless he has written me a few lines telling me that he bore the journey pretty well, & w<sup>t</sup> I hope the fact that the change will benefit him. I could not make out whether he intends to come back or not. He thanked me before he went for what he considered my attention to him during his illness. I wish he had sent a message to my wife, for she feels greatly hurt by his indifference to her often like the has done for him & his wife, & the letter & his neglect too. - he has steadily refused to see her even since he left home though he saw Mrs. Galt after & Mrs. Leslie too: & had agreed to come to us while his home was repairing - well, i a word

It would be called impossible! She  
wrote to him periodically - as I visited him,  
for I believe he has a regard for me. & I  
am sure I have for him, & I shall miss  
my visits to him very much, so long as they  
often were.

I have been grinding away at the  
British flora we used to write, with spells  
at the new Garden Society, & Bot. Mag.  
which gets more & more difficult, as  
horticultural literature dilates. Miss Smith  
is greatly improved - her drawing. I say  
her now as little was said, or written  
more, & she is off on her own, working on  
the book now for any one, & living by herself  
or rather boardingly. She makes good money.  
Harriet is better & worse. Just now she  
suffers from severe palpitation. She has  
however got out a little in a Reclining  
chair more than once. She is comforted by my  
hearing that her great Aunt, my Mother,  
lives longer, who is now above 80.  
I suffered in the same way until I recovered  
from it - she has however been a bad  
invalid all her life. Harriet still hopes  
to get to Eastbourne, but neither the  
weather, nor her strength admit of it  
  
21<sup>st</sup>  
Symonds continues her & is to far greatly

convinced that the proposed project is  
by her. The Chapel is done & cost £1000.  
to agree with his wonderfully, charming the  
shepherds - but he has bad painting fits  
at times. He says this plan through.

I have carefully read over what about  
"varieties." Little trouble. The best plan is  
to make all perennials - the segments for  
I can be perfectly balanced, & then  
follow the complete plan that secures  
uniformity. You do not state the order  
of A & B. so what is that & may  
turn up which should stand between  
A & B.

I am getting up a list of our Arboretae  
from those of the West-Huske Report; this  
is now a very fine collection. I wish that  
you can have seen it.

My North is back, & has built a  
small arched bower gallery & a lake &  
Sylvette paintings - which are however far  
inferior to her earlier ones. Oh feels  
her powers gone too. & has definitely  
given up all idea of another trip  
now. - (for the present I suppose!) but  
said she looks much worn & weary  
& is in fact "used up" as artist & mother.

I must keep Symonds next night, writing

*P. Melus* & *paradisearia*, & *C. e.* also  
p. 476. *Coccygus* Area, *P. siccata* - "as adult  
because the females sit trees.

As to subspecies you will see how I  
have got over that difficulty in Nutt. Pl., &  
for that matter was, too. Darwin  
would have called it "migratory Wrighting"  
a term I <sup>once</sup> applied to the chapter of Adler.  
Prof. Brit. i. which after trying to get rid of  
Evolution he sent of accept it - the phrase  
Chambers D. who was won't to apply it.  
variously. - After all usage must govern  
many of these <sup>matters</sup> great names, & I would  
make subspecies follow the generic name  
because they are talked about by other  
names, which varieties are not;  
or if in <sup>they are coupled with the generic names</sup> then  
which covers the terminion.

After all there are more or less matters  
concerned with the latter misspelling &  
the right way of terms, being common  
ones, that is creeping i. through even  
younger botanists not being drilled as we  
were. Clarke made my flesh creeps, &  
Foster makes my hair stand on ~~end~~ end.  
Reichenbach is utterly untranslatable.

We had Jesus here two days  
ago, & I took him round the Garden & gave  
him bunches, we did not know that his wife

June 21/84.

Dear Prof. I have read your paper on  
"Varieties" with much interest & profit;  
but do not follow all along the line.

The subject is far from so exhausted &  
the worth of it is, that of the various  
usages none are perfect & none  
adhered to generally.

With regard to Nact. superflub. I cannot  
understand you saying that indivisum  
is not an undivided var. of the species.  
What Dr. does is to cut up the whole  
species into vars. giving botanical  
precedence to more of them I take it.  
- none represent a type or Species proper.

There is much <sup>a spaces</sup> to be said for this  
mode of treatment & I think the only  
objection to it is the way of f. b. p.  
because if you get to a "form" it may  
have to be intercalated between f. b.  
or b. p. or put it further far from  
its nearest affinity. - I should prefer  
saying var. indivisum or var. indivisum, &  
not care which - If however one like

\* note var.

to consider & the types - then it won't agree  
with the genus, whatever you do with the  
other ones! -

so come along  
my I am for cutting mid of  
& of another? Some authors I think  
use them as you would 1, 2, 3, merely  
as numbering paragraphs. I do not  
know what idea Linneus attached to  
the use of the grecian letters. - When he  
begins the var with B. it is clear I  
suppose, that he did not class the genera  
up into varieties, but. That ~~you~~ had  
a type, <sup>in the</sup> in such case the varieties  
should differ from the  
species, a practice I detect.

You by Linneus introduce the practice  
of d. B. v. but you do not observe that  
he was most inconsistent in his use  
of it. cf. Sp. Plano. when on page  
130 you have Hedysarum ciliatum followed by  
& B., & a week later Myosotis scutellares  
with an avens & B. pelatinus ~~the~~  
p. 142. he calls his type (Pisum sativum)  
officinale (without a d) & follows it by  
B. sativa & p. accedit - And on p. 143

he has P. arietula, followed by B - S  
without names at all; in fact p. 654 he  
has Dentaria pentaphyllea followed by  
names d, B, V. <sup>347</sup> Then on t his  
terminus he has Eruca sativifolia,  
Rutabola - which weثبتاably accept  
as misprints - p. 85: he has Arcangelia  
dictamnus B. sicil. cundum. If this is  
notions about this. (as about genera &) is his  
relating to the reader, & I suppose that he  
did not regard them as varieties at all.  
- What would the old boy have said to  
subspecies! -

~~Yours sincerely~~ In Editor's closing remark  
to make the varietal names: the cases  
&, - yet you argue against it if I rightly  
understand you

Logically when we take a new sheep  
name for a genus, we should make the  
other varieties too, Thymus Serpyllum!!!  
Linneus would I suppose make the var  
Serpyllum (B. vulgaris?) with  
Erythronium (p. 706) he has E. cordifolium

which is varieties, followed by occidentalis  
& B. orientalis; & Citrus aurantium B. sinensis  
P. grandis & whether hard or not,  
p. 479 Pyrus communis B. foetida, & from  
pigana & favone. followed by

Piteous care, for in her lucid intervals she  
is quite charming, & very attractive too - no  
lady-like, utterly unlike her sister - She has  
been an excellent daughter when sane. The  
doctors think a change of the worse is  
impending.

I am driven wild by *Leylandia*'s *Rinus*.  
I had begun a list of those we cultivate  
for the ~~with~~<sup>new</sup> Albert & arranged them  
according to S. system, but when I took to  
verifying his characters I failed altogether,  
as regard (mes lateral & subterranea & as to  
canals ~~peripheral~~ <sup>peripheral</sup>) & ~~peripheral~~. Then  
too I cannot agree to putting *Gerrardiana* &  
*Bungeana* into *Hakea*; & to me it  
appears that his group *ambroides* (which  
should include *Balfouriana*) is quite as  
distinct from *Sect. Pinaster* as is *Sect. Strobos*.  
Then together with his *Gerrardiana* (&  
*Chihakunum* I suspect but have not yet  
seen) form a very distinct section  
separating from *Pinaster* i. the loosely  
whorled long & always decurrent &  
even crenaceous scales of the leaf-sheath, so  
different from the tight, membranous &  
persistent scales of the *Pinaster* species.

The characters derived from the  
strong-thickened cells are very hard to find  
to catch in the species where they are very

Aug 7/84

Dear Prof. A. Thom and thanks to  
you long & kind letter - I shall take the  
varied matter up in parts - because,  
meanwhile I am overwhelmed with work  
for Dan is laid up at Eastbourne with  
enlarged liver, I have only congested, &  
now small in as Harrogate where his  
wife is I fear dying. So I will chaffy  
to tell you this I have seen *Bentham*,  
back again at Witton Place. & as low  
as ever. I sat nearly 3/4 of an hour  
with him but more as a dumb waiter  
than any thing else, for he has no  
interest in any person or thing but  
his own ailment - & does not even ask for  
his old friends or my family. He is  
much emaciated, very weak, & his feet  
are swollen above steel - He sits on a sofa  
with a small table before him, on which  
he places <sup>now</sup> 2 small pillows & leans forward

burying his forehead i them: he is  
deeper than dog -

Last week I was i Edinburgh for Monday,  
night to Saturday, ~~to~~ with my wife.  
We staid with Prof. Wilson (agriculture)  
who is 75 & the college. My only friend there  
now, but J. G. Henry, who is 84 &  
paralysed, knowing no-body. I was  
extremely busy with the Society he habited  
a chair of my judg. - The bib. is "no  
great shakes" - but contains some  
very fine exhibits, preemnly Japan,  
which is very remarkable, India, &  
for a certain ultima of seals & fruits &  
Kilmarnock &c. is beyond price.

I saw a little of Dickson, who goes on making  
a few capital observations, lastly on  
certain most curious glands in the  
intestines of the ridges of the peritoneum  
& which he does not see to  
the honey which I observed on the peritoneum,

but did not follow up as I should have.

I found the garden i vastly improved  
particular kept. (Lydon & wife were  
in Edinburgh, & Trail from Aberdeen, &  
young Balpom, for a day at the habitation.

Of course my sister & her all are occupies  
much of my time. She has been over more  
infinitely treated than I supposed, & with  
I hope now trust implicitly to me & her  
~~lawyers~~. She is most comfortably boarded  
with 2 ladies who my wife had a long  
talk with - private, & she will try to be  
present if we be children come to see  
her; which is not suspected that they  
have nothing to get!. The informer stated  
is not yet arrested, & poor Marie can  
only plead ignorance & fear of her own  
forsaking it - & pleading herself to secrecy too,  
what she <sup>had</sup> ~~had~~ done. Poor thing she says. Not  
she now knows peace for the first time for  
many years! - her family have led her  
such a life - I have arranged for her debts  
near £500! - & put her daughter <sup>Marie</sup> a widow  
entombed with a medical man - this is

very pronounced. Ingelmarsen himself gives no  
insignificant bit of ~~variability~~<sup>variability</sup> in all these  
characters. So too his comments (p. 10) on the  
position of the ones, (subterminal & lateral) show  
that the character is an important one. In several  
species, <sup>&</sup> I am ~~surprised to understand~~<sup>doubtless</sup> that "most"  
of the species with "external ducts"  
I have only seen australis in the Arboretum. It's  
probably a good character.

Engelmann's paper on Pines is such a splendid  
one, such a model of careful observations &  
keen intuition, that I am ~~gaily~~<sup>doubtless</sup> disappointed  
with it as a systematic attempt. I shall  
however go on with the recognition of ducts,  
& strengthen cells as I have got - my hands  
are making "church-saints" with the vapor.  
With I had the patience to mount them  
for future reference.

I am very glad to see your sensible  
remarks on the abuse of cell dimensions in  
making generic names. If so, why not funny  
to find the tables turned on us, & cells & internodes  
taken to designate characters in Phragmites,  
as we did with Sugler, Pine with  
Engelm, & now Cyperus with  
C.M. Clarke. In h<sup>24</sup>, 25, of his paper:  
See Ann. Soc. xxii. - I wonder that his  
"punctate roots" are with "a pore in the  
center of the outermost cells through which the  
dark body of the root is seen". Von Hooke is  
devoted to the compound microscopists, though

which bodies signs & wreaths which according  
to him are not overdecorated & simple  
however, or doublets or triplets in Cossack style  
or Starbuck terms. Nevertheless I dare say  
there is a good deal in his observations, though  
I believe him to be a very bad historian &  
what he sees.

I have no news. Oliver is away on leave

in offy Jrn

Aug 13. She took a walk both back, he  
better but not well - she traveled well &  
the journey. They talk of going North for a  
month. Smith still nursing his wife  
at Worcester. & she awfully ill.  
Let me of the old store & give & you  
my thanks for James' blessings.

Barrow - it is the Librospermum  
(S. D. C.) which I have - for  
in Oct & Nov. I went up North  
to Barrow & got out the Librospermum  
but it was the only species  
available. Dem. was very anxious  
to get the plant & I gave it to him.  
One week ago - will you buy  
it.

Aug 19, 84

Dear Gray

I write chiefly to congratulate  
you on the Symp. Flora which I  
have handled over to Huber-  
Gronquist - for I do not see why  
you should send copies to her,  
the Hub. should buy.

Number of acts on Polygonum -

Clarke has had Magnolia  
Boehmeria into Antepis. or  
into the Bulbosa, <sup>by S. G.</sup> according to  
Clarke though I don't see where - I  
much like it up.

If you want a set of Cembroides  
trees plants - Please reserve  
some -

I am going on with siling Pine  
leaves, & am convinced that  
superiorities have much for too  
much of the bunodes, & strengthening  
cells, & that they do not include  
considerable groups.

I am more than ever sure that  
the Cembroides & Strobiliformis are more akin  
to Strobilus than to Piniella - &  
P. hickelii & Chihuahua, ? lateigneus.  
Is Strobiliformis, ~~& leftosa~~ also so  
with the cembroides & Strobiliformis?  
There also a geographical character, -  
They are Mexican & W. American.

Had 2 acting trees, when we were  
in Utah - & found monophyllo.

Places are good never. This is very  
poor & not out to day, & poor  
Smith is worked up with his  
wife suffering - the car is now  
prohibited cause of the heat &  
the poor thing suffers greatly.

I think that she cannot last long.  
& I hope she will -  
Can you help me to descriptions  
or send me copies of P. lateigneus  
& Strobiliformis. Engelmann is the  
authority of them, but has not  
taken them up in his revision  
nor has he his replies, which is  
a Strobilus.

See affy affy  
& P. Woodii

P.S. I have been over to  
Hansen & Cook at Myers.

Sept. 10/84

My dear Gray

Our old friend Brewster  
passed away at 1.30 to day quite  
quietly & very unexpectedly, for he  
had been, for him, probably well  
till last night. - This Doctor had  
an anticipated say charge brought  
through his son <sup>or</sup> & some silent  
inference on his breakup.

He has left all devotions of his  
funeral, for which no one is to  
be invited but Alice, Dr. Lewis,  
& myself. The bulk of his money  
(£ 2000) goes to Madam Weston.  
£ 2000 to Dr. H. Maydew, £ 1000 to  
Linen, £ 1000 to R. S. Scientific  
Museum fund, £ 500 to self, £ 500 each

to Dr. Oliver & Smith, £ 20 to  
Miss Smith: an amount of £ 20 to  
Clyatt & £ 50 to Cawthon &  
another (I) servant. The Furniture  
books, plate, household utensils &  
the like, as also copyright & profits  
of his publications. The rest to  
Oliver, I hope & expect to be handed  
over to the government of Victoria <sup>number of</sup> books &  
spare a public library for Vicar.  
This would not be the <sup>document</sup> ~~contents~~  
<sup>as he</sup> said say, it may be £ 1000 or  
much more, I should think. The  
letter. The above were <sup>contained in a</sup> ~~despatched from~~  
~~directed to myself.~~  
He sent for me a few hours  
before he died & I went without  
duty, but the bed had been prepared  
when I arrived & dead  $\frac{3}{4}$  of an

hour afterwards.

I have no time to write  
many may letters & much  
to do.

Very affec  
R. B. Hooker.

- often remakes it is now possessed I believe.  
Believe me starting it at top foot to a class  
of his staff than 2 (two) - he has just got  
a baby however, which may count. Prof.  
had O. last year. F. Darien 40. This is of  
course Joseph, but I believe correct - per-  
centage F. D. has just had a still-born  
baby.

Reeve is at me & is trying out a new lot of  
Northam's British Isles. I really do not know  
how I can do more than reprint with a  
very few additions.

True enough I neglected the National  
Anti-Slavery Committee like it. The Anti-Slavery  
Society, but this I knew I should have  
left to A. S. or L. S. or both - I have  
changed this with Mr. R. S. one, of which  
he has sent some sketches, to which I  
must add largely.

Now as to his wife, we have taken  
counsel of a first rate Chancery barrister,  
& the result is that the wife is worthless  
as regards the decision of all or any branch  
of the residue arising from the sale of  
estate & house property, to the present  
of his wife to Mr. R. S., L. S. & the trustees  
for National Anti-Slavery. She was probably  
£12000 given to Madame Walker as  
most of her. As however the personal  
property is some £17000 then with her

Nov. 15/84

My dear Gray

Your welcome letter of 2<sup>d</sup> is in  
hand, many thanks for it. ~~Courtesy~~  
My best news is that Mr. R. S. has voted  
on of the Revd. Middle t. Oliver - to his great  
astonishment & I was going to say chagrin,  
for you know well some of man he is.  
Not that he can have been quite un-  
prepared - for his name has been down  
on the list for some years, & as this list is  
read annually i Council, Oliver reads it  
when he sits there. When we did hear  
it (3 years ago) we let up & indignantly  
reproached the idea that he had had  
any thing to do with it! adding that as our  
husband took him off it, & you can  
imagine Huxley quite anxious "very  
likely not" - but it is, it is morally I guess  
strong, & a good job too.

Now Huxley is bad & obliged to relinquish  
work & has ~~set~~ determined to retire  
when he reaches 60 in my next. In this  
is entitled to a pension of over £1000.  
He was sent off to Italy 3<sup>rd</sup> weeks ago &  
went to Verona, where he visited last

week for the marriage of one of his daughters  
to a young Englishman last Saturday when  
I passed him by. He left with his wife on  
Wednesday for Venice, the last week of May  
& Sicily for 4 months. I am very anxious  
about him for I do love him dearly &  
have often highest regard for his character  
as a man a father & a friend. Spotterswood,  
death, his <sup>own</sup> absence & poor Buck being  
crippled with new alpine rheumatism makes  
it hard for our little H. Club. I have  
agreed to go on the Council N. S. during his  
absence, at his earnest desire so others  
can oppose my reforms to make. He <sup>Darwin</sup> is a  
very strong council, with Stanley, Green,  
Moseley, Sylvester, the Asturian Park, &c.  
I am as neither like Ward's place  
and exterior, & of the worst corner to the  
worst Stokes with I believe except the  
President.

My first collector has come from  
Kilimajaro; from what goes it, but there  
are no remarkable novelties among them.  
On the other hand Thomsen has  
brought a small collection from the  
Masai Highlands with the Aleypgia  
Juniper forming forest trees 100 ft. high,

mixed with Pithecellobium, & the Cadouina  
Capense!

I have just toiled through Labots for  
the first time. Good dear B. had not  
made to many errors & had not tampered  
Marcus in Tenerife which upon  
my first sight was quite absurd. Nevertheless his Lobots  
is a marvellous work & I think that  
considering the <sup>former</sup> state of the Volca it is his  
master-piece. I do not see how to separate  
Nephel & Dracocephalus as he has them.

I have seen the new Ed. of the Garden &  
Botanist Guide at last, it has lost the  
most lovely part of my Workshop. Of  
course I do not think it shall be in a wholly  
different arrangement. I am now at  
Plantagines for H. B. I - happy man!  
all the species - Boopis! & will done.

I hope that Kirby will supply me with  
Cephalipinae & Figs.

Defansolle has translated my article on  
Berberis & I hope send you a copy, as  
he has brought it to Portman which  
I expected, as I did the great part of  
the Thlaspi of 30000 species which I  
made up for Cambridge out of the Lemmon  
Herb. & his own duplicates & which are <sup>now</sup> lost  
over written up & arranged in Convolvulus  
-(to be devoured by insects under Prof. can.)

prob'l enough to pay the Society's back & leave  
a small residue for Socies. If so it is com-  
petent for Madame Walker to decline to avail  
herself of a place in the care of a relative whose  
intentions are so clear & who has left her  
& goes ~~thoroughly~~ independently which she professed  
never to have suspected.

We had not forgotten you in taking over his  
effects, & have put aside the articles which stood  
on his writing table in Wilton Place & left others  
he wrote out in his Study in the mornings & evenings.  
The only other thing I could think of was ~~the~~  
a nice simple microscope which he had never  
used - that at the Barberini is Cook property.  
Though I could do it, I suppose it of you would  
prefer it to the Barberini - or can find both.  
His pocket book have Green & Dyer. I shall be  
very glad to get it to the Hebrew Order  
There is a fair copy of Stephen's Thesaurus &  
a carbado on <sup>of Norway</sup> the Dick ~~after~~ & Pictures  
Religious & Volcanos.

The Magdalen is <sup>very</sup> ~~dear~~ to me, my poor  
little mind seems <sup>but</sup> ~~going~~, & she is so ~~curious~~  
obstinate that it is difficult to know what  
to do - She would not hear of her son going  
anywhere, going into the army, & I have  
had to send her to London to get him  
away from his mother - She would commit  
any folly he would put her up to, regardless  
of obligations of any sort, & please you with any  
kind of further cost <sup>in his expense</sup> in the ignorance of  
her son's Treasurer (relatives) - I have advised

July 30 to get the Neom & the gospel book out  
of the few hands & save a small portion of them  
nevermore. They are living in great poverty at  
the Isle of Wight, in concealment - The Neom says  
he is leaving off his "Frisco," leaving his wife  
& infant & her supported by his mother. -  
I have got the wife's death certified off, so the  
poor bereaved child will get her share of her  
mother's money when the letter dies. (to \$100.)

Mrs. Harriet Lee, aged 52, has at last taken  
a step that enables her to practice - but he is  
helpless & his wife has declining fits. Mrs.  
Lee's mind is still most excellent & kind bubbly,  
& does very well so long as her children are about  
at home. The ~~wrong~~ one I have just under a doctor's  
charge, & toักษ, at Gateshead. She is very  
troubled at times, when her declining power con-  
cerns her mother's sad. - but she is with  
reference to <sup>her</sup> the others are ~~just~~ safe & happy.

I am creating a fund ~~out of my savings~~ to  
be set aside to answer their importunities with  
for I can't let them go to the work-house. Pen  
Lane has been most helpful. Mrs. Lester  
is my pony. Harriet has been much better  
but is bothered with her debt. Poor Abby Waller  
is out of work, & penniless though she speaks of a  
brother. Hyatt has asked her back for some  
weeks, & I wish give her a trifling to encourage  
her brother's letters. She had charge of a little  
girl, which was her only support. except for Abby  
<sup>married</sup> who is giving her.

Pauline was <sup>not</sup> up to the party of Delmara's marriage  
& William continuing to persecute our old man -  
in all probability Mr. Hooker,

I sent you a New Years obituary  
notice for Audley - I am huzzler.

I should dwell a good deal on his  
longevity of purpose, whether it was the work  
he did for himself or for others.

His British here deserves a notice for  
its lucidity - but the green man is the  
chemically optimate method of the  
living Cenozoic. This & his Prodromus  
work in <sup>the Prodromus</sup> Geog. Soc. L. Club he has made  
a few monopoly errors & many bad  
shores - & H. W. Fl. he bestrides tenuis spic  
herculey.

In burns' habits he was eminently  
I have already mentioned the Cambridge  
Habroci.

Look up his notes of visits to Natural  
Institutions & the journals of Netby & i  
Camp. Bot. Socy.

For early development of his critical faculty  
a certain <sup>difficult</sup> sense, see Cat. Pl. Pyrenes. -  
you go ahead with Mr Morgan. I can't  
describe her quiet life as a J. P. at  
Pontefract.

He put into his meagreous labour for  
Science, & the way he relieved me of

Nov 15 1894

at the doorway of his Plant?

There was a curious defect in his walking - a dislike to take a step which from want of materials - he could not interest him self in - either for instance & the Amherst one, exceedingly scoured. He would not get the Mescua material, which until he can & orbit in <sup>too great</sup> ~~so great~~ vegetated garden beds.

He was not fond of laborious deportions. He would do any number of short ministerial analyses, but undertake no laborious single investigation.

I wrote something may be got from a friend at his L.S. address.

Mr. J. but as among us. The  
Advertiser price is set at 1000: on  
the ground rents i Westminster & other  
things I add £1000. - As far as I can see  
that. Welsh is now £20, over!!  
Thank you Kenneth! I hope Mr. Habarini  
may get £6000 but I have little idea  
as yet.

Charles has bought a party of  
mercenaries of £6000. I went there  
2 days ago. We shall be here for  
5 weeks & then go to Spain where  
I shall go up & down to Kew.

Very  
B. H. W.

June 6/85.

Dear Gray

The Minuti go a Monday  
with a note to Weekly informing him  
of their preciousness & needful-ty  
of immediate delivery. I hope they  
may not prove as bad as Toscana  
was to me, as if so you may  
wish that they go to several Mr.  
Habarini of the Mermaid & Triton.  
There are certain classes of which  
the finer types & rarer specimens  
you know the better we will do  
them.

The Lovings looked round just  
time of Hyacinth's Exposition. Very  
quietly - we have a lovely day  
✓ 300 people, who seemed to  
enjoy themselves vastly. Lovy has

not delicious the package yet.

Thanks for your last on Boraginaceae.  
If we I can't be supplement of  
A. N. S. I. I will correct thereby

I have done Pappus, or Wallach.  
My paper done "me. 48 i alle. Also  
I have ever since been writing wallach  
Hymenoptera & you appa know. - They are  
almost impervious to match of leaf;  
& ♀. ♂. & post. are <sup>all</sup> wanted for many  
species. I have had & used much  
of Thunberg's work in Dr. hist. though  
it is wonderful what L. did with  
the materials he had. Making &  
reagent ones have introduced  
important modifications. - I am now  
at Javannah, which looks say,  
but do as all Greece till one tackles  
them! - That with Klatt <sup>Cypripedium</sup>  
bundles by Schlegel's plants is

Nov. 26. - making new Specie of Myrsinaceae & Tsapuraceae.  
Most excellent Lepidites Compositae,  
below are 6 names given by his stick  
still more miserable drawings! Then  
we I fear we do have And you  
cannot even recognize them as Composita.  
- he must be insane! I am writing  
using Ann L. Supp. Then as my  
own tend to bring up material  
botany into the continent that is  
just overshadowing it: Egeria, -  
Japanese & plates of Vellozia  
quite good besides those of Klatt,  
bundles being made from "purple"  
specimens.

I hear from Maximowich that Reichenbach  
is furious with Reutemann of Vienna  
(or unreason) of the Orchids. - (See. Maxw.)  
which he regards as misusing L. how!  
The poor man went I hear to see  
the Reichenbach & of people I should  
like to tell it - for how will Reutemann  
say, - if we find before us - to  
come, for I get no end of letters about

pictures - The Araucaria is a puzzle - trunk quite white & bark looking like clouds of smoke! - She <sup>on way home</sup> has right hand badly & pale & very poor, but able to walk about. However she wrote yesterday that she very was going to visit in the country near Derby. Miss Sulivan is back from Algiers, looking old.

The Darwin Station is quite new - a copy of Leonard Dr. sitting Metaphys.

Be affly  
J. Hooker

I am at my wits end what to do about <sup>the</sup> Plants. I must repeat. Part I. will be out by 175.

June 18/85

Dear Gray,

Have you a copy of the So Shokou, if not I can give you one of Ed. 2. - which has been presented to me: - we have it in Hub-Library, but the number <sup>of the</sup> ~~copy~~ does not exactly tally with Ed. 1. (which we have not). This is <sup>a</sup> no consequence, as the plates are identical & come near together. Then another form of first card, as if you do not want it I shall offer it to King. A Mr Davies with letter of introduction from Sagart, called yesterday, bringing

Photo. of the bronze medallion -  
Hyacynth can't  
strike it - I  
think it is  
the beard looks  
as if you had  
been at the hair dresser or barber,  
& there is a strained look about the  
Eyes. - The bust is very bad, believe  
Especially it indicates a man of  
unusual obesity! not at all i  
keeping with the head.

I am plodding away at St. Paul's  
and have just done devoutness.

Hyacinth is overwhelmed with visitors  
& parties to see Charles' intended,  
who comes to us to day. I hope I  
tell you that he has bought what  
we hope is a nice portion of  
Lancaster... he marries in September.

He Loring has been twice here, once  
with Miss L. & Gerde last &  
left alone to lunch. We asked  
them to dinner, but they could not  
come.

I shall be hunting you over this  
month & the first week of next  
in case - for work will work, &  
Society, & Senator, & Committee, &  
Committee, I am never at rest,  
& very far from home.

Hyacinth and her love & with  
wife. C. thinks Mr Grey for the baby's  
clock will be the very thing she  
wanted & had not been able to get.  
("There things is women" - The idea that  
sheоя could not supply a baby's  
clock!)

Miss North was busy in Chil-

price of the work considerably & to my  
regarding its book appearance. What  
disturbs me most is the drift which I am  
sometimes in for knowing that there was  
in the book no work certain  
information that B. was surely obliged  
to give - especially <sup>a</sup> further notice of many  
most distinct sub-species & new species  
that he would leave without listening  
to arguments or the wishes of his readers.  
In such case I often see the necessary  
mette i brackets at the end of the  
~~species~~ <sup>the</sup> ~~descriptio~~ habitats - In one subject  
I have to make great alterations <sup>they</sup> ~~they~~  
& that is the British habitats & often the  
geographical range of the species. Then he  
did not give sufficient attention to &  
was not I think revised since the first  
edition. - By far the best book  
British criticise - Neither however  
left me the copyright & as I knew  
he would not do to add edit a new  
edition I had no choice but to do  
it as he would wish it done  
Charles is despatched with  
Grenoble & manca. says i  
September. Reggie has just

THE CAMP.  
SUNNINGDALE.

July 1878.

My dear Gay

I am much obliged for the  
cheque £ 8. 5. 0. safely received.  
The Gay Hub. is now reprinted;  
The remainder of the duplicates,  
an enormous mass, - being all  
gone to Maximivny.

I quite agree, that the specimens  
should be put into their places  
weekly, but the difficulty is to  
get it ~~so~~ <sup>so</sup> carefully done. I am  
constantly bothered by the collector  
way that the specimens are  
intercalated, & often very & push  
them all i myself. - You know  
what a hard even dear good Baker  
can make. Now is over only  
man who is both competent &  
careful - & he is too ~~usefully~~

& a very slow worker,  
otherwise employed, & such a job  
looks as if it ought to be done enough  
to any one who would take his  
wits about him, but probably  
you yourself it does not appear to  
be so easy - Then too you must  
remember the enormous size that  
Mr. Webster occupies, & that you  
would really need many a year's  
accumulation in an unmeasured

space of time that you would be  
done there - & the  
~~the~~ consequences weekly misstatements.

You go the trouble of the building.  
Open the cabinet-chests, hunt out  
may a few & put it back ~~as~~ <sup>as</sup> to  
time instead of once!

My people have been trying to  
persuade me & themselves that I am not  
very well & have ordered me here. There  
is really nothing the matter with me  
but I do enjoy this place among others, or

much as my father did here. & I  
am easily employed on the far from  
enormous duty of revising Brewster's  
Handbook for a new edition - I daresay  
the wife would know I proceed - well -  
The first plan I want to avoid altering  
the character of the book, or troubling  
the description part except where I feel  
sure he would wish it - He was  
very fond of this book, perhaps proud of  
it, & whatever its merits & demerits,  
it stands as an integral portion of his  
life's work, of a totally different  
character from the rest. It has a  
large sale, which proves its' being  
acceptable but that would not  
induce me to revise it - for what my  
motive is, the feeling that he would  
like it to live on, & that I should  
prolong its' life. I wonder far rather  
he at Indian Flats. Whether it will  
do is another matter. The publisher  
is determined to adopt a different form  
of page - running the names, Latin  
& English, into the same line as the  
descriptions, thus reducing the bulk &

taken his "Bachelier's series" degree in Paris. which is very good for a lad of 18.

We go to see Darwin at Down tomorrow for 6 days. - after 10 days pretty continuous holiday here

I've gone to the Amsterdam Hotel to billetter & then probably to Hamburg to see if we can arrange for the purchase of Nickerbecks British.

We have had nothing wonderful in the Melville way lately. The striped seal has been cut off our Mexican supplies, but we get constant specimens from Central Africa. In Maria they have not arrived yet. Nothing is settled about the collection of the Melville Flora. I have asked for 2 more thick volumes. which nearly & Bentham's calculations

should finish it. Bevan is intotable  
about printing. The whole matter for  
Part XII. has been to murder it hard!  
There are still several sheets to  
the Index to print. I have  
just finished Loranthus a long  
series, <sup>but</sup> not so difficult as I  
expected.

Very affly Yrs

W. B. Wight

Asa Gray Jr  
Kew.

120

Sept 12.

My dear Prof

I saw Dr. Alexander  
to day who much wished  
to meet you, so I begged  
him to come here at  
any time tomorrow to  
take his chance.

Very yours

J. B. Hooker

Yours,

work, which should have had  
better signatures at least.

With best love to you & your X  
kind regards to A. D. & Prentiss

Ay - Be all my pr

R. D. Hooper

THE CAMP,  
SUNNINGDALE.

May 21/67

Dear Grey

I have given you of 15<sup>th</sup> &  
hope that this will satisfy you at  
present. You have had I am  
sure a good time in  
S. Germany, & what is better, escaped  
a miserable one in Normandy; - far  
any thing more disagreeable for  
the season than the weather we  
had, lastly, it would not be  
very bad pictures. It is still so cold  
that I cannot do without both  
the stove & my study fire.

Yesterday & day before it blew a  
furious gale, & I never experienced  
a more driving rain storm, than  
we had yesterday. To day it is

better, but cold & blustery.  
Symond has rallied considerably, but  
is far from being recovered, & very  
irritable. She was arranged for even  
going down to stay at Worthing, but  
he has put us off, together with the  
intention of himself coming back  
here. All this is a terrible worry for  
my wife - also anxious for going  
via Portsmouth & thence by the  
Victory. Postponed it, H. D. S. are going  
to fulfill an old promise & visit  
Epinal at his own expense on the  
top of Windham, returning on Monday.

Our new prop's letter from London  
was ready, so sent on back about N.  
16<sup>th</sup>. I suppose. We also hope that  
you will come here, when Manning  
can fit his schedule, for Plymouth has  
a capital seafarership.

The date of dinner (Norway) is  
the same to me: I think it

is a pity L. have made the change  
of it. I. C. L. is logical no doubt, but the <sup>D. C. L.</sup> name  
is a matter of sentiment. I prefer  
the "Norway" before it to proclaim its  
affiliations. I sincerely hope that they  
will not object. It should D. C. L. is  
like Norway. As an Norway D. Sc., D.D.L.  
to have the L.L.D. or D. C. L. was being  
the same book with men of great  
distinction of all classes: a very different  
honor from each branch of merit  
"padding its' own canoe".

I have no news, which is always  
good news. I am still head of the  
Indian Cupharicaceae. which are  
extremely difficult. Neither has I  
think overbalanced some of the great  
genera as Phyllanthus, which has  
no meaning as it stands in G. P. I  
keep up Glossidium, with 60 Indian  
species. I can't conceive why he kept  
up Fluegia whilst lumping so many  
<sup>in tribe</sup> others in Phyllanthus.

Please send me just part of his  
new Malpighiaceae - my impressions

Spend her manless valles & lottes y  
by t-Norwiche town. - can hardly  
believe it -

Yes, we are both members of H. Norway  
Society, but I do not quite know it all;  
if you & Drayton are nearly related to  
it. i Aug. or Sept?

You have indeed had a good  
time in Austria - & better weather  
than we have had here - when it is  
doubtless still cooler & wind & cold.  
H. Snow lay on the railway bank as we  
went to Rudolf a Saturday!, little  
but enough to swear by.

Let me know if I can do anything  
for you when you arrive. - I hope we  
will go to Innsbruck. Porte made a long  
off. - if the V.C. did not ask us; I would  
have offered rather to go from the to the  
V.C. but he has not been invited. - it  
will probably be entreated in our way to  
the Danes. - will let you know

After my respects  
Kindred river to Miss Long.

THE CAMP,  
SUNNINGDALE.

May 27<sup>th</sup> 1887.

Dear Grey

Yours of 24<sup>th</sup> received yesterday -  
My name part came to mind (open)  
from H. Price - I have enclosed  
copying that you authorized me to  
despatch your acceptance of the  
honor of offered, & that I hoped  
you would act accordingly, as  
also that you would no doubt  
accept an invitation to the  
Balfeus' which had also been  
offered to you - By a previous  
communication with Price I  
gathered that he & Balfeus had  
a mutual aversion between them  
that you should be their guests,  
& that Price gave the "yes" to  
Balfeus in being the honor of your

Company & the boys.

Balfours letter L-yr I took the  
habit of going, not doubting  
but you would wish me to do  
it, so as to remove them from  
uncertainty. - I have told Balfour  
that I have done so, & that I  
had no reason to suppose  
but that Mr. Mulligan would  
accept their invitation.

We go to the Prince on the 21<sup>st</sup>.  
I have heard nothing more of  
Cambridge. I much say I am more  
desirous than you are at the  
escalation of the L.I.D. - I was ab-  
solutely lost lately & the world  
and believe it - But Dyer, who I saw  
a Friday, said it was true & all  
right! if he opposed the abolition of  
the L.I.D. & giving the money letters  
& S.D., ~~D.Y.~~, S.J.C. & V.V. to my mind

The whole significance of the King  
vanishes, & I would not give a far-  
thing. I am at the moment glad that  
you are the S.C.L. by you, the grandest  
little a man can obtain, & to a  
foreign government. However  
you must take the <sup>and the</sup> title of the school; -  
H.S.C. is the best thing that <sup>can</sup> be offered.  
You will offer & you refusing it would  
very <sup>badly</sup> affect them & do us good. This is a  
"limited liability". You are no  
woman off the P, who was made H.D. of  
Edinburgh - as a man also after <sup>say</sup>  
the conceivable <sup>of his</sup> death <sup>now</sup> had  
been in, say of three years & years  
before <sup>me;</sup> & this though I gratified  
your friend's desire of three  
to years before! & though I was &  
had been of your H.D. of Cambridge  
Mayo & Dublin, & D.C.L. of Cefnafid.  
"size is life" - None of them kings called  
men as dead. It would consist of the  
Prize for my Naval services & its <sup>also</sup>  
to regulate men to the bottom of the history  
Naval & Surgeons!

seen Salisbury?  
Have you seen Ely? We  
could stop there on our  
way to Cambridge.

Now, dearest Mr. Gray,  
there is one thing I trust  
you & Dr. Gray will do  
that is make this Camp  
your head quarters to make  
up for the loss I have  
had in getting no trip with  
you, & the uncertainty of  
my being able to leave  
England <sup>in August or at all this year</sup> very great.

~~So come to us,  
so friends dare  
to say why waste  
time & money  
when we are  
having to have  
every minute~~

THE CAMP.  
BUNNINGDALE.

Jan 5<sup>th</sup>  
H. H. Gray

It was so kind of  
you to write to me.  
I have enjoyed hearing  
of your enjoyment.

Dr. Gray has been  
very good in writing  
to us so often.

I now write particularly

to send you the  
enclosed.

We have promised  
Mrs Darwin to go to  
her at Cambridge on  
the 18<sup>th</sup> & more than  
half promised for you,  
as we hope so much  
you will go to her with us!

Then on the 21<sup>st</sup> we  
are all to go on to  
Oxford.

Now what will you  
& Dr Gray say to a little  
plan of mine it is to go  
to Salisbury from Oxford  
on the 23<sup>rd</sup> - see  
Stonehenge and return  
here on the 25<sup>th</sup>.  
I believe you have not

THE CAMP,  
SUNNINGDALE.

June 14/87.

Dear Greg

I have no further  
information from the Cambria  
Authorities, but Mrs Davis  
writes that she hopes to arrange  
for our abe going to her for the  
vacation. She says that the  
day is the 21<sup>st</sup>. Frater said the  
20<sup>th</sup>, so I have written to him  
to ask which is right - if the  
20<sup>th</sup>, of which I have little  
doubt, we must go down  
I suppose on Saturday 18<sup>th</sup>  
of the 21<sup>st</sup>; we shall have on  
that day to hurry on to Oxford

It is a pig that we consider must  
be here by the 8<sup>th</sup> when there is  
both the Royal Socy Leopold Society,  
& the R. Geograph. at the same  
evening! The letter <sup>in Miss</sup>  
<sup>not the Post Office</sup> from the  
S. Kensington Museum, a lovely  
eight o'clock lighted up. - We consider  
quite well arranged to go to  
both. Mr Gray knows that  
there are lovely things at S. K.

At last I have sent off the  
first sheets of my bookab. &  
prints. You are to receive them  
shortly. one has to saddle the  
materials for them & send  
the one matters there in the  
right ones. As to the others they  
seem to me a fishy lot. also  
but. - I have noticed that the

presence or absence of "Obturator" might  
be made more of.  
Symonds has marvelous relief,  
our heart specimen & Drayton have  
driven Mrs. back to Cheltenham, which  
had for upward 3 years, kept both  
at bay. - He had left it off for  
a month or so.

To day we have still weather  
& our wife W. Wood - yesterday  
I went to town & my Merchant friend,  
Costi & his wife M. L. Wood.

We still think a Normandy  
trip in August.

In all my

B. Cooke

The sheets of your "Elements" are here.

Camp. October 25/87

Dear May

We were very glad to get your letter & we know that Mr. Gray had a fair假期 - we thought much of you. The news from the Pacific is very bad; young Symonds has had a relapse at Tonga, & was too ill to write. He was attacked by cough, & one lung is affected. His recovery is slow, but Mrs. Symonds keeps up hopes. & is cheerful, gardening diligently.

We have sent off the Archaeology & Balfeus. The mailing took over 2 days. Mr. H. B. I., whom I consulted in New York, had lost all my former notes & descriptions, together with a copy of Antiquities for H. Bell. But - what I put somewhere before going to Normandy (into little basket? or niche?)

Have you got yet Maclear's Antebedas? I think it gives <sup>the</sup> rule, & don't want also with so much print as the Big James (which were better) have. It is a very

buried piece of work. & they have been  
published. Mr. Muller exhibits at the  
Paris I have taken in my piping.

Best regards to your people &c

The bit of work is disengaged, &  
remained over of house. Muller goes to  
put the pieces of <sup>apparatus</sup> back to Gubbels work;  
I offered an error in my creation!

If this is the sort of work that will  
be going to set for us we had better  
start off. This is "pot-boiler" work.

We are getting Chinese plants in boxes,  
such curious things. One yesterday  
brought me a Viburnum with the digitized  
leaves of a <sup>new</sup> shrub! I do not see  
however the plants can be put into  
these places. The whole time over goes,  
as moving & laying out of antia  
collections; & there an increasing lessening  
of goods, & it does. The number  
of living plants need seem to be needed  
is distracting too.

We got a trunk of oak from Mitrani's  
wood; it was 260 cu. ft. more  
than I've needed - but not dried out.

I have no more news of any  
kind. Can you help settle

for the winter - & shall not be  
going out much if at all.

With best love to your boys  
in care of Mrs.

Very Obedient

M. D. Hooker

May 19<sup>th</sup> 90

THE CAMP.

SUNNINGDALE.

My dear Mr Gray,

The letter which I  
posted home to day will people  
you & demands another apology.

I took it & knew, & so fully  
believed that I should find  
there the answer to your question  
about the names of the  
Artist & Sculptor of the statue  
~~perhaps that~~ <sup>received</sup> had written  
an if I had them. Of course I  
intended to add them to the  
letter, but I must suddenly  
posted ~~the letter~~ <sup>it</sup> without  
them - None the less when I went

to the Museum, I take the  
details for the City having  
them - I found it was a  
know before letters. & so had  
no name at all on it, the  
person, artist or engraver  
of it.

I suggest my Read & think  
where the ~~postscript~~ appeared, as  
it is upon Hill's great <sup>of Juncker</sup> folio  
work in the several ~~lips~~ <sup>lips</sup> which  
contains certain <sup>of the middle & end of last century</sup>  
may be traced to <sup>unfortunately</sup> ~~postscript~~  
This is a work of which no  
complete copy was ever published.

Sur enough, Aileen, ~~for~~ <sup>in</sup> her hands is  
one of those ~~that~~ <sup>which</sup> should be  
in the works, for it is indeed:  
but though we have two others,

neither have it. Furthermore we  
collected our copies with that  
in the Brit. Mus. & neither  
has had got the other part! -

I shall try the limestone  
samples & let you know the  
results:-

I feel awfully absurd to  
myself - so may be a bit

myself -  
Possibly there may be a copy  
of the work at the Harvard Library.  
I fear it is most likely to be in the  
Brit. Library at the <sup>Cambridge</sup> "Gardener," for it  
was very popular, & is scientifically  
worthless. I have a manuscript

You can afford me  
W. Hooker

Mussey

Dear Grey

The Arbutes were in  
myth.

Yours

W. Warden

Fine

J. D. Hooker

Dear H. J.

If you can please call in  
on me before 10 the morning.  
I forgot to tell you that  
Casey called yesterday.

Can you tell me which ~~these~~  
names are synonymous or likely to be  
~~synonyms~~

*polyacanthus*

*parviflora* Vent.

*oxyphylla*

~~*polyacanthus*~~

*canadensis*

*cineraria*, Pers.

*nigra*

*nana* Pers.

*seratibolia*

*pallida*, Pers.

*paniculata*

*caroliniana* Wang.

*rupa*, Pers.

*richardii*, Pers.

*opaca*.

We have also there <sup>in the</sup> ~~the~~  
<sup>between books</sup> *Abronia*, as Americana!

beneath the good species of your  
& Chapman's Flora.

Do not trouble about this - write any  
new identifications & species &  
return them.

Paulig Engelmann's letters

I have to quote remark on  
Pines & fr Hebd. Vito.

1. See no System & keeping up ab.  
Engelmanni, though dispersed I-  
regard it as alpine form of magnifica.
2. No one supposed that americana  
had any thing to do with magnifica.  
(Not I know of) = concolor
3. As to finding subspinosus & granulosus  
mixed - does this look like  
true species? - is it not curious  
that Jeffrey should also find  
them mixed. or Shantz?!!  
ditto Hale!!

{ Engelmann must go to the  
sure himself & get its tangible  
character.

4. The ~~fallacy~~ <sup>specie</sup> of Balsameum being  
busted - he does not appreciate his  
specimens <sup>they are</sup> & the ones are, they <sup>the</sup> are almost all gone  
from N. and you gave me at Le Vele  
& leave with a mucronata trace - ditto

in all the specimens in Museum,  
since I see he is now & the  
construction of the top sheltered the  
tree of it. A boy John Brewster  
looking at the tree, will one would  
not at first believe the ancient  
had worn, - so utterly is all  
the sheltered.

We are reassembling the whole  
Museum when you hear I will  
have a complete list made of  
all American cones. we have

J. J. Weller

Feb 11, 1876

My "hole at the slack" of my  
notion of American Character  
warning me of my unsuccess after  
Planetary & took it with the  
Tayodine. No doubt the Alps  
by a telegraphic chain  
instructed me of my mistake.  
Inigation - ~~last~~ less (by its  
own show) but health etc  
improve & if its ~~very~~ cold - then  
we're no warmer ~~now~~ <sup>comes</sup> &  
you ~~will~~ <sup>have</sup> my opinion to day.  
united ~~and~~ <sup>the</sup> America.

I find that copies of the Patriot  
Albion did not go to New Haven &  
James W. Hall send out some  
more soon & then caught them.  
I am ashamed of not sending out the  
"Redoubt" yet but I have not had  
the copies long. I have the  
"Horn" just up to you, & a copy of  
the "American Journal of  
Penitence" also.

I make the amount to  
the Photographe - Kindly  
send me a receipted bill.  
That I may get the money  
back - What then do I  
use you ?.

P.S. Yours of Nov 13 to hand  
I wish thought that the  
structure of it do & so I.D.  
was a blunder & it has  
misled us fully. The reading I  
and all say that it was not  
by design.

If I found out the date of  
Samuel f Joseph too late.  
III. I looked up Watson on  
paper & found that he  
represented of Alaska a  
subalpine forest. The  
temperate range was so poor  
that it did not amount  
to a forest.

IV. What's meant by old trees  
& what this effect. Not

not as there are such  
very small traces here &  
very ancestry of them. Except  
like ~~the~~<sup>time &</sup> older of them spread  
some species from one  
to next area. - During all  
this time we may suppose that  
the climate was not materially  
~~different~~ from present. The  
time is number of species  $\times$   $\frac{1}{2}$   
ancestry  $\times$  time for dispersion.  
or some such formula. -

These return ~~Fossils~~  
Englishman letters much.

You will perceive that I had forgotten  
all you tell me is yours of March  
18 & to Sartor & Berlin Please, for  
my lecture - I have no time for its  
preparation so I have confined myself  
to this & think, as - the ~~rest~~  
that written up for your Jpn. & Eng.  
& Adelphi, going completely over all  
with you, Mrs & General Wadsworth -  
It was my idea that I should speak on  
the course of the specified "postglacial"  
and then of late & present connecting  
the returning temperate climate from  
a. I would have consulted you about  
it - I still think you make  
too much of difference of climate  
of E & W. coast. it is not more  
different than climate of England  
<sup>is</sup> from Germany, & yet there is a  
real & such fundamental difference  
of climate. in behavior of the Americas  
of the Asiatic-America took place  
had not been hitherto taken out of the

why the Japanese flora could not  
have ~~had~~<sup>had</sup> so much of the same way  
as in the count. After all remember  
that the climates of Japan & California  
are more alike than those of Japan  
& the U. States.

AUG 8 1880

Young Schimpff is said to be  
extraordinarily clever & hard-working.  
He has been put in charge of the  
Museum at Thesleby which is  
under the Major's <sup>supervision</sup> & Council, - the  
University tried to get it, & Mr.  
Pepper has got young Schimpff  
because he took the post. It  
appears that the Museum was old  
Schimpff's chief accomplishment; the  
Professorship was made another day  
& very small.

Young S. has some money & is  
well contented to live a life fast  
for a year & receive no probate in  
if he may have a prospect.

In all I hear of those who have  
studied at Thesleby he is a very  
promising, steady, & decentable  
young man for a Professorship.  
His whole correspondence about his  
father Barbara was singularly  
frank honest & generous.

I have worked over into  
setting up a large distribution  
of the vast collections of  
specimens, in the Herbarium.  
You will be in time for the  
Scramble! -

whether to build them for a new home.  
Mr Darwin was very well but not strong.  
Much has made no further progress <sup>with</sup>  
the like other copying letters. I am now translating  
his father's account of his own early days.  
What is most interesting to me & with me  
I hope to start - it like form part of the  
life. - The best part I fancy, though a chapter  
or two will hold it all.

George has a Paper-making factory with  
a few & very active people! His purely  
mathematical factory or in 1st the thin  
factory without <sup>having</sup> the stars, - like modern  
factory - without <sup>having</sup> the plants & Paul  
has a cliff of 400 m. high paper factory -  
as well as <sup>is</sup> presented Booty - Babbington  
has no student at all! However has a  
large workshop for the manufacture of  
scientific instruments for experiments perhaps,  
which he has a partner; it just pays  
the way. Several <sup>Dampnum</sup> Artillery men is quartered  
at Fowey, near ~~Bude~~ (the Staff Officer)  
not far from there. we shall go & see him  
when we settle for the summer here.  
Meanwhile our house at Kew is being  
painted & repapered so we are stuck out,  
& ~~go~~ <sup>the</sup> down there for the night & on  
Tuesday & enjoy the change <sup>suspecting</sup>.

Mrs. Forester will keep Doug & their  
most worth & being a keeper of  
relations to stay with her.

Dou who has been wonderfully well  
all the winter is, temporarily lame,  
but y sorts now, he hardly knows from  
what. I am always in dread of his or  
Mittie's breaking down.

My health sends be love & best regards  
to you. Mrs. St. John will write soon & you may  
joy in all with me. I am fond as ever of  
Gardening. In weather much better than  
the ice was. but is very dull at Crittenden.  
There been any amount of poetry.

Health of Mr. W. P. Hooker